## **COSMETIC PACKAGINGS**

Airtight & Airless Systems 2013 Vol.1











## Introduction

DMT wishes to pursue to contribute to the humanity and to the nature through continuous market research and new product development activities. We would like to become a reliable packaging supplier for cosmetics, pharmaceutical and personal care packaging industry.

DMT is one of the top leading manufacturers of cosmetic tubes in Asia-pacific, Since our business start in 1987, we have been rapidly growing in the packaging field based on the certified manufacturing process of our own production standard, CLASS-CGMP, Now we produce more variety of Airless Dispensing Systems for skin care and さしい完全生産管理プログラムとAir-less dispensingのためのシステムとカラー color cosmetics with high technical experts and also Eco-friendly 化粧品をより多様に生産しています。 entire production control programs with global R&D partnership.

DMT will effort to ensuring continued compliance with legal, ethical, social and environmental commitment. This is our company's essential policy to grow together with our customers and we value our relationship with our partners to share the principles and values. We hope to continue to work with you to enjoy this common values.

Dream is within you and us!

## はじめに

DMTは、継続的な市場調査、新製品開発活動を通じて、人類に貢献し、自然に優 しく、また、我々は、化粧品、医薬品、パーソナルケア、包装産業の安定的な提 供者になりたいです。

DMTは、アジア太平洋地域の化粧品のチューブ製造の代表者です。我々は、 1987年の開始以来、急速に我々自身の生産標準、クラス-CGMPの認証された製 造工程に基づいてパッケージングの分野で成長しました。

今、私たちは高い技術の専門家、グローバルR&Dパートナーシップと環境にや

DMTは、法的、倫理的、社会的、環境的責任と持続的な遵守を確保するために努

これは、顧客と一緒に成長している当社の重要な政策であり、我々は、原則と価 値を共有するパートナーとの関係を非常に重要だと思います。私たちはこの共通 の価値を一緒に、あなたと仕事を続けたいです。

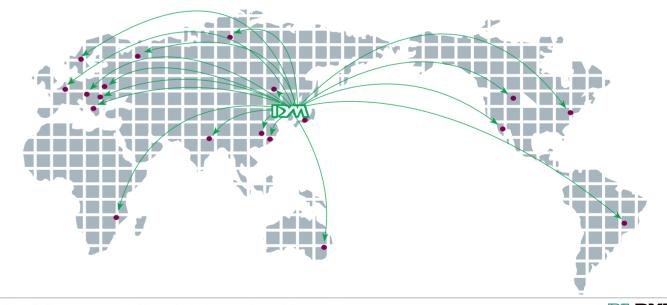
夢は私たちの中にあります!



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## "A dream of world leading packaging company!"





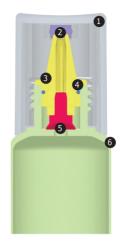
## Airless Tubes

# **DM-Airless Tubes**

DM special fluid control technology!

DM 特別液体制御技術





COMPONENTS	
Part	Material
<ul><li>OVER CAP</li></ul>	PP
SEAL CAP	NBR
NOZZLE	PP
SEAL-RING	NBR
VENTIL VALVE	NBR
⑤ TUBE	PE

- 内容物を良い状態を維持させ、変色などを防止する。 逆支弁タイプは中と外の空気流入を調節するバルブ(弁)がある。
- 漏れ防止及び新鮮さ維持 防止させる。

#### **ADVANTAGES**

- Keep the product in good condition and prevent damages:
- Dispensing system has a membrane valve to control air-gate opening And closing outside air going to inside.
- Leak proof and improve freshness:

バルブが圧力によって開閉作動し、バルブを通過した内容物の戻ることを Membrane valve operates opening and blocking Dispensing channel upon the pressure, and it makes flow stop before operating and to prevent product return back to the tube.

• Cosmetic and pharmaceutical products, Skin care treatment, special spot care.

#### **SPECIFICATION**

• Cylindrical tubes: Ø16, Ø19, Ø22, Ø25, Ø30, Ø35, Ø40

• Material : 3 layers, 5 layers PE

#### CAP SELECTION

• PP, UV coating, Metallic, Hot stamping



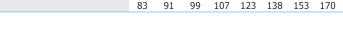
• AL (Shiny / Matt / Pattern / Dia Cutting)





#### CAPACITY

	Ouifiee	Volume (ml)													
Ø	(Ø)	5	10	20	30	40	50	60	70	80	100	120	140	160	180
	(5)						В	Length	(mm)	)					
16	1.5	51	71												
19	1.5	48	66	101											
22	1.5		67	87	113										
25	1.5		57	73	93	113	134	154							
30	3			70	81	95	109	123	137	151					
35	3				70	87	97	107	117	128	149	169			
40	3						83	91	99	107	123	138	153	170	181





## Airless Tubes

# Airless Lip Tubes





- 内容物を良い状態を維持させ、変色などを防止する。 逆支弁タイプは中と外の空気流入を調節するバルブ(弁)がある。
- 漏れ防止及び新鮮さ維持 バルブが圧力によって開閉作動し、バルブを通 過した内容物の戻ること を防止させる。

#### COMPONENTS

Part	Material
OVER CAP	PP
APPLICATOR	PP
SEAL-RING	NBR
VENTIL VALVE	NBR
□ TUBE	PE

- Keep the product in good condition and prevent damages:
- Dispensing system has a membrane valve to control air-gate opening And closing outside air going to inside.

Membrane valve operates opening and blocking Dispensing channel upon the pressure, and it makes flow stop before operating and to prevent product return back to the tube.

#### **APPLICATIONS**

• Lip gloss, Lip balm, and lip care.

#### **SPECIFICATION**

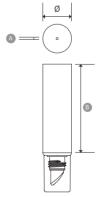
• Cylindrical tubes: Ø16, Ø19

• Material : 3 layers, 5 layers PE

• PP, UV coating, Metallic, Hot stamping, AL (Shiny / Matt / Pattern / Dia Cutting)







#### **CAPACITY**

	(Ø)		Volume (ml)	
Ø		5	10	20
			BLength (mm)	
16	1.5	51	71	
19	1.5	48	66	101



## Airless Tubes

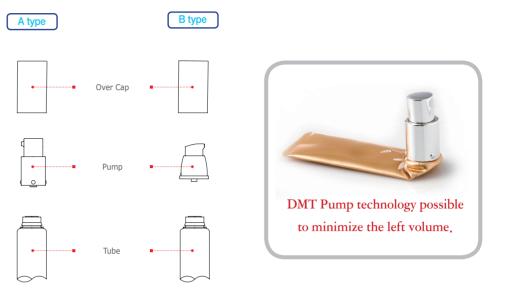
# Airless Pump Tubes

Airless system with tube and actuator dispenser available.

Tube shows your visual artwork come true by color print, easyoperating, and reduce the left volumes.

チューブのエアレスシステムとディスペンサー。 きれいなカラーブリントと容易な操作、最後まで使用可能なエアレスポンプチューブ。





#### APPLICATION

• High functionality cosmetic products, Hair product, etc.

#### SPECIFICATIONS

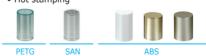
• Snap-on (A type): Ø25, Ø30, Ø35, Ø40 / (B type): Ø30, Ø35, Ø40

#### CAP SELECTION

• Coating, Metallic, AL (Shiny / Matt / Pattern / Dia Cutting)







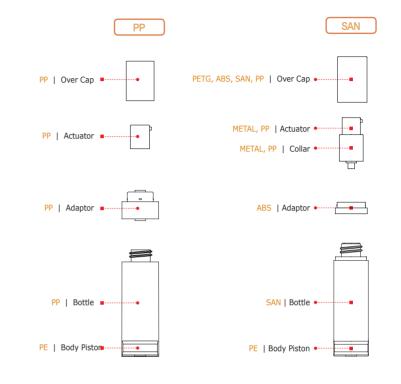
#### CAPACITY

		Ouifine						Vo	lume (r	nl)					
	Ø	(Ø)	10	20	30	40	50	60	70	80	100	120	140	160	180
				B Length (mm)											
	25	1.8	57	73	93	113	134	154							
	30			70	81	95	109	123	137	151					
A	35	2.8			70	87	97	107	117	128	149	169			
	40						83	91	99	107	123	138	153	170	181

## Lotion Dispenser

# Airless Pump Dispenser

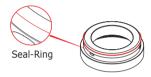




## Standard Adaptor



#### Air-Sealing Adaptor



#### - Feature :

The adaptor is sealed to prevent air penetation and moisture evaporation.

- 特長 アダプタ(Adaptor)は空気流入及び水分蒸発を防止す るため、密閉されている。

#### - Advantage :

Keep fresh the product left on the nozzle.

ノズルに残っている内容物を新鮮にする。

\* This adaptor is an optional extra.

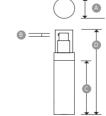
※ このアダプタは追加オプションである。

#### APPLICATIONS

• Skin care, lotion, Cream, Gel and liquid foundation creams.

#### **SPECIFICATION**

• Screw-on: 30ml, 40ml, 50ml

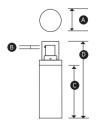


#### **CAPACITY**

Capacity		Orfice	Bottle	Total	Closure
ml	mm	mm	high	height	type
30	32.3	1.8	82.5	125.5	Screw
40	32.3	1.8	101.8	144.8	Screw
50	32.3	1.8	121	164	Screw

#### • SAN

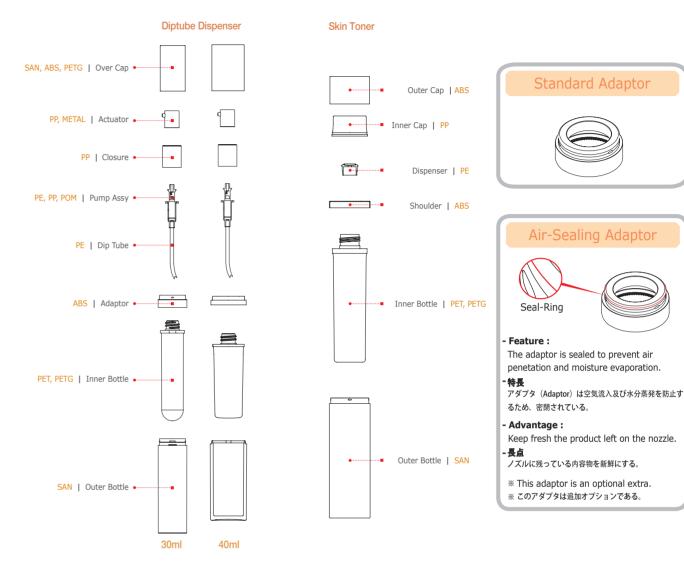
Capacity	A Diameter	Orfice	Bottle	Total	Closure
ml	mm	mm	high	height	type
30	32.3	1.8	79	125	Screw
40	32.3	1.8	92.5	138.5	Screw
50	32.3	1.8	111.5	157.5	Screw



Lotion Dispenser

# Diptube Dispenser / Skin Toner





#### **APPLICATIONS**

• Skin care, Hair treatment, Sun products, Lotion, cream, Gel and color foundations.

• Diptube Dispenser(Screw on): 30ml, 40ml • Skin Toner(Screw on): 120ml

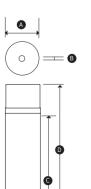
#### **CAPACITY**

• Diptube Dispenser

Capacity	Diameter	Orfice	Bottle	Total	Closure
ml	mm	mm	high	height	type
30	32	1.8	98.6	148	Screw
40	32.7	1.8	78	125.5	Screw

<ul><li>Skir</li></ul>	Toner
------------------------	-------

Capacity	A Diameter	Orfice	Bottle	Total	Closure
ml	mm	mm	high	height	type
120	40	4	132.5	172.2	Screw



## Lotion Dispenser

# Mist Sprayer Pump

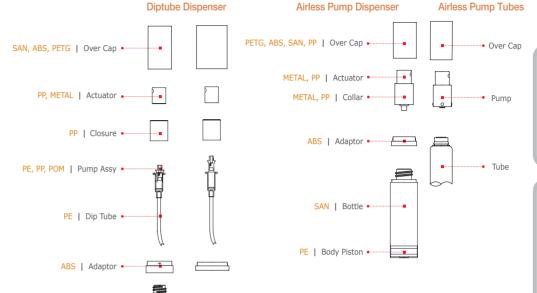
DMT delivers mist pump screw onto dispenser & tubes, with excellent dispensing performance in spray dynamics.

Thanks to water fluid control systems since 1985, DMT has worldwide certifications, FDA, WRAS, NSF, and supplied to Heineken, Carlsberg, Coca-cola.

DMTは、優れた分散性能とダイナミックなスプレーディスペンサー&チューブにミストポンプで提供しています。

1985年以来、液体制御システムのノウハウと弊社は、世界中のFDA、WRAS、NSFなどの認定を持っており、Heineken、カールスバーグ、コカ・コーラに供給しています。









## The adaptor is sealed to prevent air penetation and moisture evaporation.

#### -特長

アダプタ(Adaptor)は空気流入及び水分蒸発を防止するため、密閉されている。

#### - Advantage :

Keep fresh the product left on the nozzle.

#### - 長点

ノズルに残っている内容物を新鮮にする。

- \* This adaptor is an optional extra.
- ※ このアダプタは追加オプションである。

#### ADVANTAG

40ml

30ml

PET, PETG | Inner Bottle •---

SAN | Outer Bottle •---

• Available with various color anodized. Vert Smart lead-time

## APPLICATIONS

mist sprayer, gel

#### CAPACITY

• Diptube Dispenser / Airless Pump Dispenser

-					
Capacity	Diameter	Orfice	Bottle	Total	Closure
ml	mm	mm	high	height	type
30	32	1.8	98.6	148	Diptube
30	32.3	1.8	79	125	Airless pump
40	32.7	1.8	78	125.5	Diptube
40	32.3	1.8	92.5	138.5	Airless pump
50	32.3	1.8	111.5	157.5	Airless pump

Airless Pump Tubes

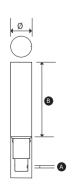
	0.:6													
Ø	Orifice (Ø)	10	20	30	40	50	60	70	80	100	120	140	160	180
	A					В	Leng	gth (n	nm)					
25	1.8	57	73	93	113	134	154							
30	2.8		70	81	95	109	123	137	151					

#### メリット

様々な色のアルマイトが可能です。スマートなリードタイム

#### SPECIFICATION

- Diptube Dispenser(Screw on): 30ml, 40ml
- Airless Pump Dispenser(Screw on): 30ml, 40ml, 50ml
- Airless Pump Tubes(Snap-on): Φ25, Φ30

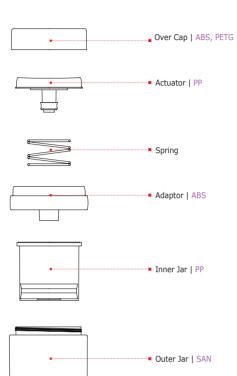


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## Cream Jar

# Airless Cream Jar



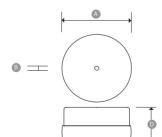






#### **APPLICATIONS**

• High functionality cosmetic products, Cream, Liquid Foundation, etc.



#### SPECIFICATION

• Screw-on: 30g, 50g

#### CAPACITY

Capacity	A Diameter	Orifice	Bottle	Total	Closure
g	mm	mm	high	height	type
30	66.8	6	33.9	64	Snap-on
50	66.8	6	45.8	75.9	Snap-on

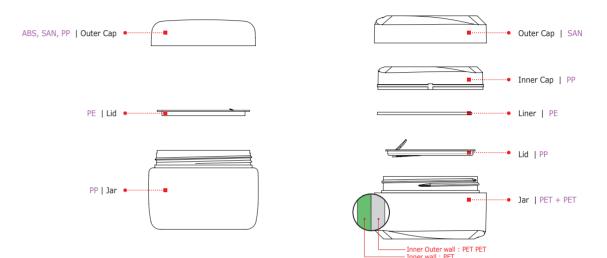
Cream Jar

# PP Cream Jar / 2k Injection Jar





#### 2K injection Jar



#### **APPLICATIONS**

• Hair Cream, Gels, Cream, etc.

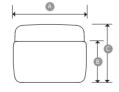
#### SPECIFICATION

• PP Cream Jar (Screw) : 50g, 80g, 100g, 150g

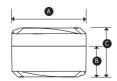
• 2k Injection Jar (Screw): 30g, 50g

#### CAPACITY

#### PP Cream Jar



•	



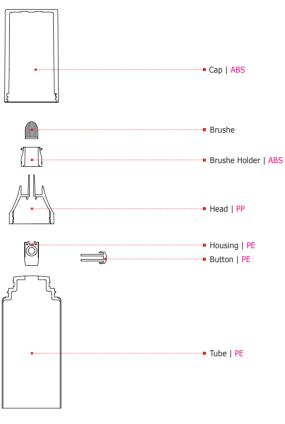
Capacity	Diameter	Bottle	Total	Closure
g	mm	high	height	type
50	59.4	31.4	46.8	Screw
80	62.7	38.4	53.1	Screw
100	67.6	41.6	57.4	Screw
150	78.5	47	64.6	Screw

#### • 2k Injection Jar

Capacity	A Diameter	Bottle	<b>●</b> Total	Closure
g	mm	high	height	type
30	68	18	35	Screw
50	68	28	45	Screw

# Brush Tubes





#### **ADVANTAGES**

- This product is available to attach the brush for color dyeing, uses various materials for foundation and made as cheap in the tube using.
- When cap is opened by button way which can open and close automatically.

#### 長点

- ブラシ付きでカラー染色用、ファンデーションなどで中身多様に使用され、 Tube使用で安価に製作可能
- ボタン方式でキャップを開けると自動的にオープンされ、 閉じると自動的に閉じられます

#### **APPLICATIONS**

• Foundation, brightener, hair dye, etc

#### **SPECIFICATIONS**

• Snap-on : Ø35

#### CAP SELECTION

• Coating, Metallic, AL (Shiny / Matt / Pattern / Dia Cutting), Hot stamping



#### CAPACITY

	0.:5						Vo	lume (ı	ml)					
Ø	Orifice  (Ø)	10	20	30	40	50	60	70	80	100	120	140	160	180
	(2)						B Ler	ngth (m	nm)					
35	2.5			70	87	97	107	117	128	149	169			

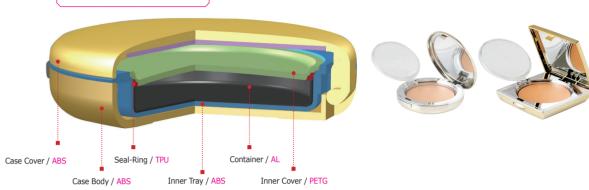


# Air-tight Compact cases

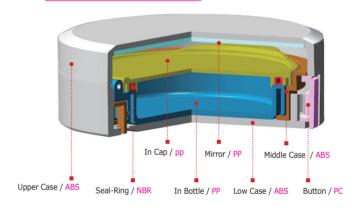








#### Air-tight Refill Compact Case





#### **ADVANTAGES**

• With a sealed, leak proof construction, this compact case can protect outside air flow and evaporation.

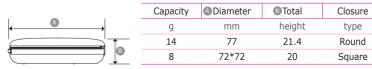
#### **EFFECTIVENESS**

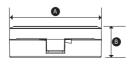
- Prevent hardening of Liquid foundation from drying out and crack.
- Inside space for puff location makes confortable.
- Prevent Keep the color and contents from the air, moisture and crack.

 O-ringを使って、空気流入を遮断させ、内容物の乾燥、 クラックを防止させる。

#### CAPACITY

• Air-tight Compact Case



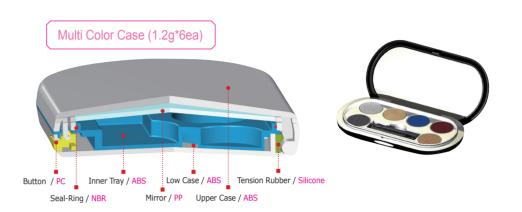


• /	∆ir-tia	ht R	ofill C	ompact	t Casi

	Capacity	A Diameter	B Total	Closure		
 B	g	mm	height	type		
_	10	70	24	Round		

# Air-tight Shadow Container

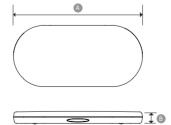






#### **APPLICATIONS**

• Eye, Lips, Tint, Face



#### **ADVANTAGES**

 $\bullet$  keep the powder soft & fresh prevent dry.

## • Multi Color Case

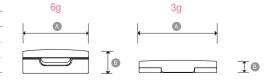
Capacity	ODiameter	B Total	Closure	
g	mm	height	type	
1.2*6ea	120*63.3	12.5	Oval	

#### Mono Color Case

Capacity	Diameter	B Total	Closure
g	mm	height	type
6	43.5	15.8	Round
3	51.4	8	Round

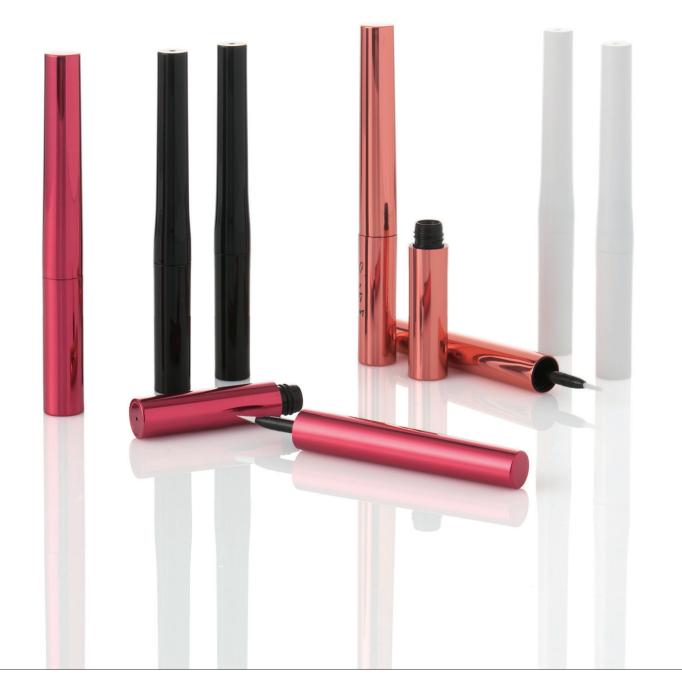


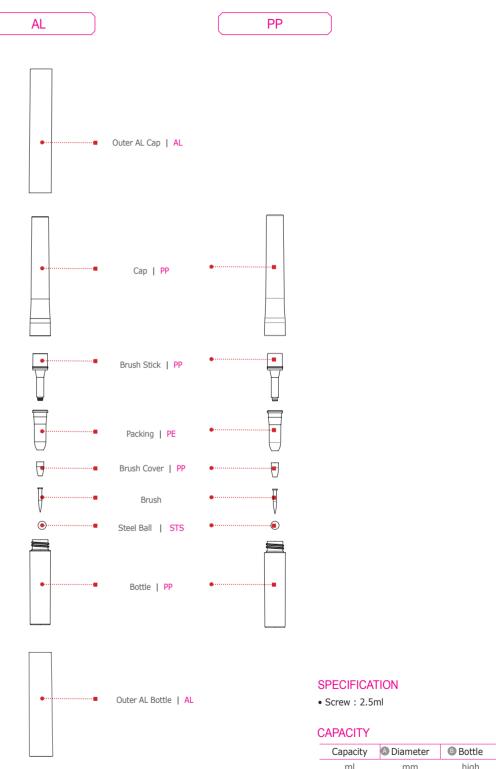
O-ringを使って、空気流入を遮断させ、内容物の乾燥、クラックを防止させる。





# Eyeliner

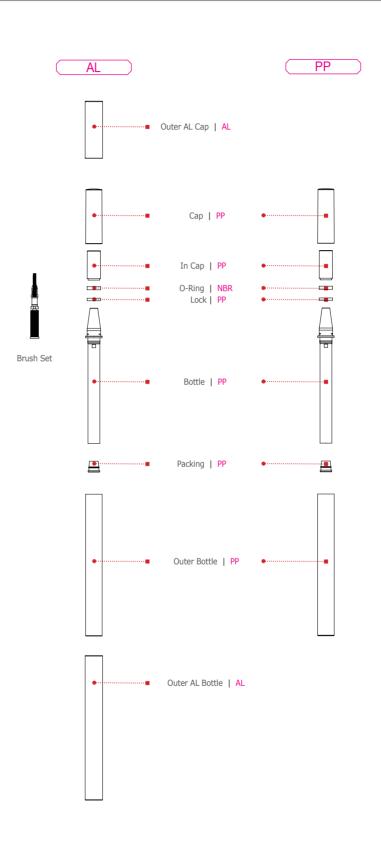




Capacity	Diameter	Bottle	Total	Closure
ml	mm	high	height	type
2.5	14	49	130	Standard

# Air-tight Eyeliner







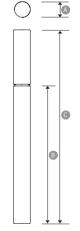
#### **COMPONENTS**

Part	Material
OVER CAP	PP
IN CAP	PP
BRUSH	-
O-RING	NBR
6 BOTTLE	PP
OUTER BOTTLE	PP

#### ADVANTAGES

- Easy grip of liquid eyeliner
- Good quality of filament liner, soft and flexible.
- Dry proof eyeliner system available to keep liquid fresh and flavor.

- 長点 簡単なグリップ感の液体アイライナー
- 高品質のフィラメントやソフト、フレキシブル
- ドライプルーフ アイライナーシステムはいい香り、新鮮な液体を維持させる。



#### **SPECIFICATION**

• Screw : 1.2ml

#### CAPACITY

ml mm	high	height	type
	9	ricigiic	rype
1.2 11	92	129	AL
1.2 10.5	90	126	PP

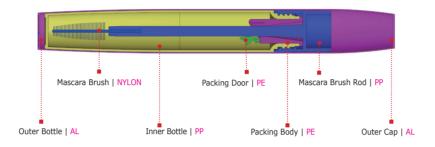


# Color Cosmetics Container Air-tight Mascara Case

Air-tight Mascara / Standard Mascara / Tube Mascara



### Air-tight Mascara



#### Feature & Advantage

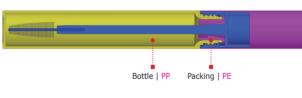
- Air-tight system keeps good condition and prevents dry. When you pull out mascara brush, tube inside is closed automatically.
- System can prevent product damage and become hard by blocking air-flow from outside.
- Sometimes peoples wants less amount, then you can use appropriate mascara quantity as much as wanted by restoring liquid volumes.

- マスカラブラシを抜き出した時、エアータイトシステムにて内容物の乾燥を防止させる。
- エアーシステムとは? ブラシを抜き出した時、ドアーシステムで自動的に閉めれる。
- ブラシを抜く出した時、ドアーシステムを擦るので、適当な量だけを使えられる。

#### CAPACITY

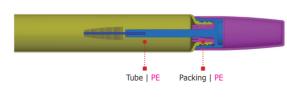
Capacity	Diameter	Bottle	Total	Closure
ml	mm	high	height	type
10	16.4	82.5	132	Air-tight

#### Standard Mascara



Capacity	Diameter	Bottle	Total	Closure
ml	mm	high	height	type
10	16.4	82.5	132	Standard

#### Tube Mascara

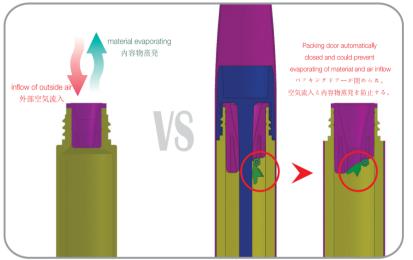


					<b>B</b>
Capacity	A Diameter	B Bottle	Total	Closure	
ml	mm	high	height	type	
15	19	67.5	115.3	Tube	\ /

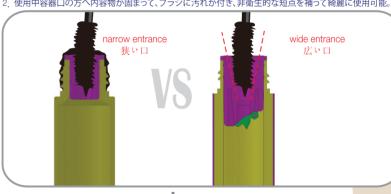
## **Standard Type**

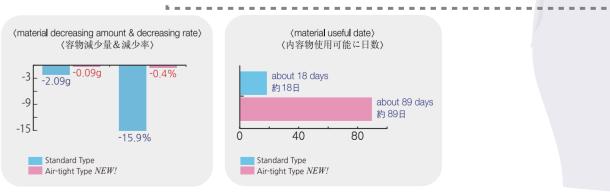


- 1. Complemented for shorten of using period against harden, spoil and decreasing for material of existing container
  1. 既存の内容物の固まり、変質、量減少によって使用時間が短縮される短点を補った容器開発<sup>®</sup>



- 2. Could cleanly use through complement for weakness of insanitary which coated residue at the brush and used as remained of harden material at the entrance
- 2. 使用中容器口の方へ内容物が固まって、ブラシに汚れが付き、非衛生的な短点を補って綺麗に使用可能。





- \* Test condition: Mascara liquid of 8ml put the container and measure under the opened cap as 50°C for 7days
- ※ 測定試験条件:マスカラ液入りの容量8mlの容器をキャップ開けっ放しで′7日間(50°C)置いておく゜

• 5ml to 250mll



# World first transparent UV tubes

## Plastic Barrier Laminated (P.B.L)

DMT developed laminated tube sheet material by self technology, specialized in UV protection. The only clear and transparent tube having UV protective. The 1st pioneer in worldwide.

DMTは、紫外線保護を専門と独自の技術により特殊なチューブシート素材を開発しました。

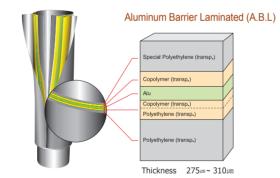
きれい透明紫外線保護チューブ。

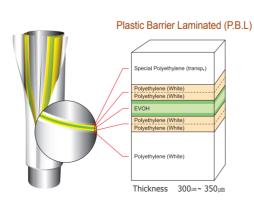
世界的な先駆者。

# ADVANTAGES Available with smart printing Mass production & short lead-time 長点 ・スマート印刷可能 ・大量生産と拠いリードタイム・ APPLICATIONS ・ Skin, Sun, face, lips UV 94.3% blocking! SPECIFICATION ・ PBL material

# Laminated Tubes (A.B.L/P.B.L)







#### ADVANTAGES

- Excellent blocking against UV and external conditions.
- W UV blocking efficiency of PBL: 94.3%.
  Highly flexible and good printability. (1°~9°) in transparent products and Available high speed production.
- 長占
- UV紫外線を遮断させる。
- ※ PBLの紫外線遮断効率: 94.3%
- 伸縮性が高くて、印刷 (9度まで可能) 及び生産性が容易。

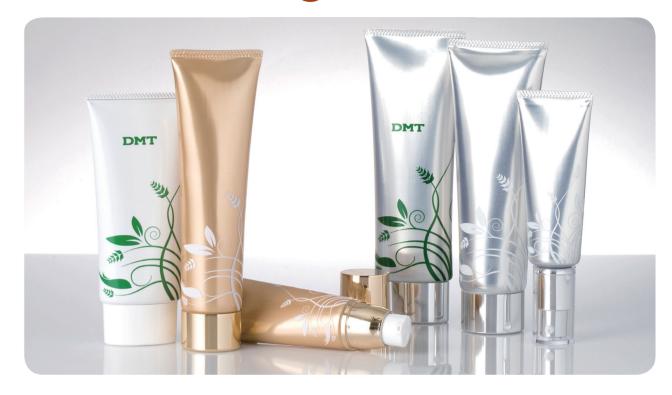
#### APPLICATIONS

 Tooth pastes, Ointments, Dyes, Hair coloring agents, Food products, Dental impressioning material, Various types of adhesives (eye lash bond), Cosmetics, Silicon products, Pharmaceutical products for animals, Grease products, etc.

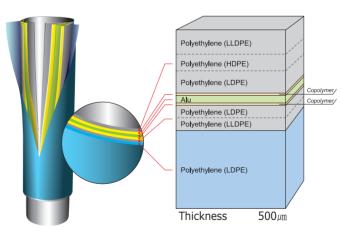
#### DIMENSION

- Cylindrical tubes: Ø16 ~ Ø50
- Oval tubes: Ø25, Ø30, Ø35, Ø40, Ø50

# ABL Coating Tubes



#### 7 LAYERS



#### ADVANTAGES

- Perfect blocking tube barrier against UV and oxygen penetration.
- Metallic appearance shows a luxary and elegant style.

#### 長点

- 紫外線と酸素透過を止める。
- アルミタイプなので高級感を表現するのも可能。

#### APPLICATIONS

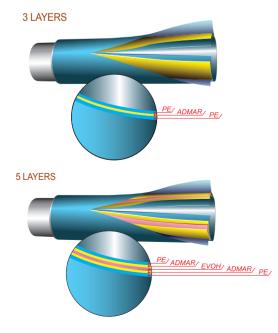
 High functionality Skin care products, Sun care, BB cream, Hair care, etc.

#### DIMENSION

- Cylindrical : Ø19 ~ Ø50
- Oval : Ø25, Ø30, Ø35, Ø40, Ø50

# **PE Tubes**







\* 360° Hot stamping lining available with high quality adhesin.

#### **ADVANTAGES**

- Light weight, and most widely applied good portable.
- Flexible multi-color print available.

• 輕い重さ,そうして最も最適化された携帯性. 融通のマルチカラープリント利用可能.

#### APPLICATIONS

• Cosmetics, Hair products, Pharmaceutical products, Household wares, Chemical products, Food containers, etc.

#### DIMENSION

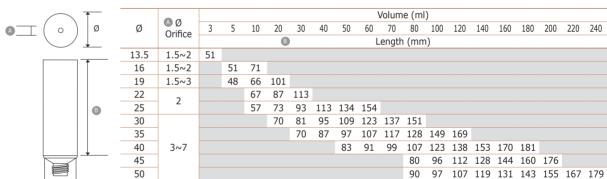
- Cylindrical : Ø13.5 ~ Ø50 Oval : Ø25, Ø30, Ø35, Ø40, Ø50

## \* Tubes Specifications

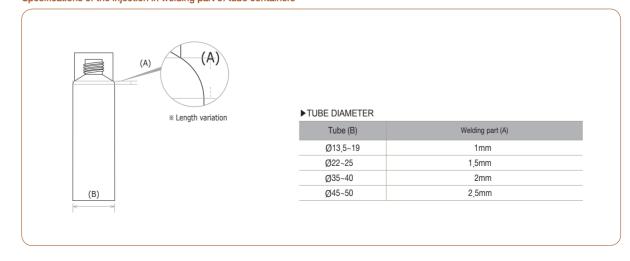
#### CAP DIMENSION

	Cylin	idrical	0	val	Retinol	Lip Gloss	Cone		Hair Colori	ng (Scerw)	)
	Screw	Flip top	Screw	Flip top							
Ø						00					
13.5	•										
16	•						•				
19	•				•	•					
22	•				•						
25	•		•		•			•			
30	•	•	•						•		
35	•	•	•	•						•	
40	•	•	•	•						•	•
45	•	•									
50	•	•	•	•							•

#### CAPACITY



#### Specifications of the injection in welding part of tube containers



DM DMT

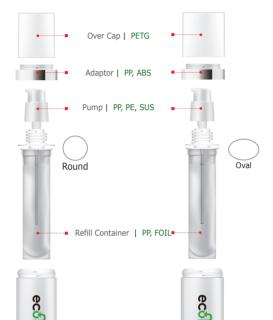
Eco Friendly Refillable Set

# Refillable Dispenser











#### **SPECIFICATION**

• Refillable Container

#### **FEATURES**

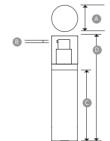
- Exchagable cosmetic container applying its easy- removable system Reinforced airless performance by none- piston- parts structure decreases the trouble without bulk adoption
- Application of multi-layer film enhances barrier function

Bottle | SAN

• Films available for transparent type to confirm bulk and aluminium type strong for untraviolet

#### 特長

- 着脱が容易な独自の機構を採用した、取替え式の化粧品容器。ピストンパーツを使用しないエアレス容器なので、バルクを選ばずトラブル激減。
- 多層フィリム採用で、バリアー性抜群。
- フィリムは、バルクが確認できる「透明タイプ」 と紫外線にも強い「アルミタイプ」から選べる。



#### **SPECIFICATION**

• Screw: 30ml, 40ml, 50ml

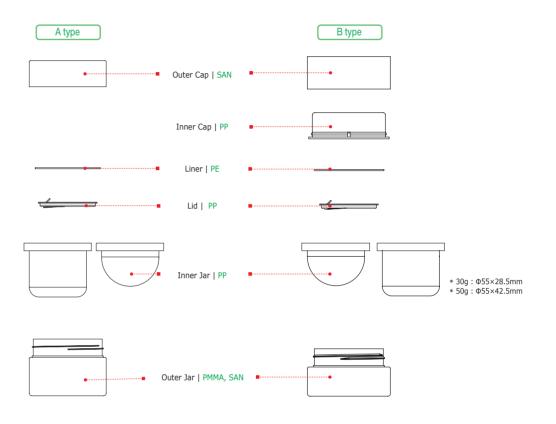
#### CAPACITY

Capacity	A Diameter	Orifice	Bottle	Total	Closure
ml	mm	mm	high	height	type
30	40	2.8	94	148.5	Screw
40	40	2.8	109	163.5	Screw
50	40	2.8	124	178.5	Screw

Eco Friendly Refillable Set

# Refillable Cream Jar





#### **APPLICATIONS**

• Hair Cream, Gels, Cream, etc.

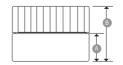
#### **SPECIFICATION**

• Screw : 30g, 50g

## CAPACITY • A type



30 63 24 46 Screw	Capacity	Diameter	A Bottle	Total	Closure
	g	mm	high	height	type
50 63 31.5 53 Screy	30	63	24	46	Screw
30 03 31.3 33 36.64	50	63	31.5	53	Screw



	<ul> <li>B type</li> </ul>				
	Capacity	Diameter	A Bottle	B Total	Closur
B	g	mm	high	height	type
	30	69	24	49	Screw
(A)	50	69	31	56	Screw



DM DMT

# MEMO





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# **COSMETIC PACKAGINGS**

Airtight & Airless Systems 2012 Vol.4

