

SPECIFICATION SHEET

Pharmaceutical Aluminum Foil

Aluminum pharmaceutical foil provide user-friendly, safe and versatile packaging formats for pharmaceutical tablets, creams, liquids and powders. It has excellent barrier properties totally exclude moisture, oxygen and other gases, micro-organisms and light, maintaining degradable products in peak condition over long periods.

No	Alloy	Thickness	Width	Roll Length
1	1070, 1100, 1235	0.02-0.08mm	≤ 700mm	200-2000 m
	8011,8021			As per customer request.

CHEMICAL COMPOSITION (%)

Standard: GB/T 3190-2008

Grade	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al
1070	0.20	0.25	0.04	0.03	0.03	-	-	0.04	0.03	99.7
1100	0.95 Si+Fe		0.05-0.20	0.05	-	-	-	0.10	-	99.0
1235	0.65 Si+Fe		0.05	0.05	0.05	-	-	0.10	0.06	99.35
8011	0.5-0.9	0.6-1.0	0.10	0.20	0.05	0.05	-	0.10	0.08	remain
8021	0.15	1.2-1.7	0.05	-	-	-	-	-	-	remain

Cold Forming Aluminum Foil (Alu Alu Foil)

TECHNICAL DATA SHEET

Product Structure	PA25/AL45/PVC60 PA25/AL60/PVC60	
GSM	240G/281G	
Specification	Width	≤700mm
	Thickness	PA 25 mic
		AL 45-60 mic
		PVC 60 mic
		Total 140-160 mic
	Core ID	76/152mm, or can be customized
Roll OD	240-280mm, or can be customized	
Printing	Available	
Usage ratio of material/layer (cold stamping aluminium:PTP)	4:1	
	4.7:1	

Blister Aluminum Foil / PTP Aluminum Foil

TECHNICAL DATA SHEET

Product Structure	OP/AL/VC	
GSM	24-40G	
Specification	Width	≤610mm
	Thickness	OP 1g +/-0.5g
		AL 20-30 g
		VC 3-8g
	Core ID	76/152mm, or can be customized
	Roll Length	1000-2000m, or can be customized
Printing	Available	
Note	One side dull, other side bright	

Product Name : Blister Aluminum Foil / PTP Aluminum Foil		Test Basis : YBB00152002-2015		
Size : 250mm		Specification : op1.0g/alu20um/vc4.0-6.0g		
PROPERTIES		TOLERANCE	Result	
PRIMER (Coating outside)		1.0±0.5 g/m ²	0.98	
ALu weight		54 – 57 g/m ²	54.93	
ADHESIVE (HSL)		4.0-6.0 g/m ²	4.41	
TOTAL WEIGHT		59.0-64.0 g/m ²	60.32	
Width		±1.0 mm	250	
Thickness tolerance		0.022-0.026 mm	0.026	
Heat seal strength		≥7N/15 mm	10.1	
Appearance	It should be plain, even and clean. Pictorial & language printing should correct, clear and firm.	confirmed	Qualified	
Pinhole rates	No dense continuous, period pinhole 1m ² in d > 0.3mm not allowed, d=0.1-0.3mm≤1	none	Qualified	
*Barrier performance (vapour penetrability)	≤0.5g/(m ² .24h)	0.01	Qualified	
Adhesive strength of protect layer and Ink	Tape test without obviously falling off	conformed	Qualified	
Oven proof strength of protect layer and Ink	200°C surface without obviously falling off	Conformed	Qualified	
Diversity of adhesives spreading	±10%	0.70%	Qualified	
Unreel performance	Adhesive level and the protection level is not sticking	conformed	Qualified	
Bursting strength	≥98MPa	150KPa	Qualified	
Fluorescent material	Fluorescence material may not be distributed into center	Conformed	Qualified	
Volatile	≤4mg/0.02m ²	0.3mg	Qualified	
solute	oxide	0.01mol/Na ₂ S ₃ O ₃ ≤1.5ml	1.2	Qualified
	Heavy metal	≤0.25ppm	conformed	Qualified
Limitation of microorganism	Bacterium count	≤1000cfu/100cm ²	< 10 cfu/100cm ²	Qualified
	Quantity of fungi and yeast	≤100cfu/100cm ²	< 10 cfu/100cm ²	Qualified
	E.Coll	undetectable	none	Qualified
Unusual toxicity	Non toxicity	conformed	Qualified	

Tropical Aluminum Foil **TECHNICAL DATA SHEET**

Product Structure	PA25/AL45/VC; PA25/AL60/VC; PA25/AL75/VC	
GSM	150/200/240G	
Specification	Width	≤700mm
	Core ID	76/152mm, or can be customized
	Roll Length	240-280m, or can be customized
	Printing	Available

Pharmaceutical PVC Sheet **TECHNICAL DATA SHEET**

Product Structure	PVC Sheet	
Specification	Width	≤1000mm
	Thickness	0.06-0.45mm
	Core ID	76mm, can be customized
	Core OD	≤500mm, can be customized

PHYSICAL PROPERTIES

Property	Value	Unit
Density(20℃)	2.67-2.72	g/cm ³
Melting Point	580-660	℃
Thermal Expansion	23.5-23.8	(10-6K-1)(20/100℃)
Specific heat capacity	895-904	J/(Kg.K)(0/100℃)
Modulus of Elasticity	69-71	GPa
Thermal Conductivity	172-225	W/(m. K) 20℃
Resistivity	29.2-38	nΩ .m

Formability Very Good	Weldability Good	Machinability Very Good	Corrosion Resistance Very Good
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APPLICATIONS

Aluminum pharmaceutical foil is widely used for package of pharmaceutical tablets, creams, liquids and powders.

PRODUCTS



PACKING

Pharmaceutical Aluminum Foil package meet the export standard. Plastic film can be covered at customers' need. Wooden case or wooden pallet is adopted to protect products from damage during the delivery.

