

SID ALUMOBOND ACP

Datasheet



Specification

Product Name	SID Alumobond Aluminum Composite Panels	
H.S.Code	76061251	
Shape and Dimensions	<ul style="list-style-type: none"> Panel Thickness 3mm, Aluminum skin thickness 0.59" (0.15mm) and 0.47" (0.12mm) Size 1220mm X 2440mm (48" x 96") 	
Components	SID ALUMOBOND ACP aluminum alloy sheet skin and polyethylene core	
Status	Panel	
Composition and Index	<ul style="list-style-type: none"> Aluminum skin AL: 98.7%, Si:0.5%, Fe: 0.6%, Zn: 0.1%, Others: 0.1% Polyethylene core Density >0.95g / cm³, Melt index > 1.8g / 10min, no moisture content 	
Production method	<ul style="list-style-type: none"> Aluminum skin coated by continuous roll heat pressing on line Composite panels created by continuous heat pressing on line 	
Usage	Used for sign board or digital printing substrate	
	Unit	3mm
Weight	Kg/m ²	3.31
Tolerance in thickness	mm	± 0.10
Longitudinal roughness	mm	6
Section Modulus W	cm ³ /m	1.73
Rigidity (Poisson's ratio μ =0.3)	kNm ² /m	0.06
Modulus of Elasticity	N/mm ²	70000
Tensile Strength of Aluminium	N/mm ²	Rm >145
Elongation	%	A50 >3
Linear Thermal Expansion	mm/m/oC	2.4 at 100 °C
Polyethylene, Typ LD-PE	g/cm ³	0.935
Lacquering		PE
Thickness of coating	μm	>16
Gloss (initial value)	%	20-100
Sound Absorption Factor αs		0.05
Temperature Range	°C	-5~ + 80