etalbond-d^{2®}

Composite material

Technical Data Sheet



YELVAL COLOUR

PANEL THICKNESS:		2mm	3mm	4mm	6mm	
Aluminium layer thickness mm			0.20			
Panel Weight [Kg/m ²]		2.6	3.5	4.4	6.2	
PANEL TOLERANCES						
Panel thickness mm		±0.2				
Panel width mm		-0.00 / +4.00				
Panel length		≤ 4000 mm : -0.0 / +4				
	mm	4001 -6000 mm: -0.0 / +6				
		6001- 8000 mm: -0.0 / +10				
Diagonal difference	mm	3.00 mm				
TECHNICAL PROPERTIES						
Alloy/Temper of Aluminium cover sheet	And here (Floridation Cover Sheet		EN AW- 3105/H44 or 4116/H44			
Modulus of Elasticity E	[N/mm ²]		700	00		
Tensile strength of Al. cover sheets Rm	[N/mm ²]	150-200				
0.2% Proof stress Rp _{0.2}	[N/mm ²]	120 min				
Elongation %		A 50≥ 3%				
Linear Thermal Expansion		2.4 mm/m for Temperature difference of 100° C				
CORE:		T				
Density of Polyethylene, Type LDPE	[g/cm3]	0.92				
SURFACE PREPARATION and PAINT CHARACTERISTICS						
		Distant and the CAL				
visible Surface Preparation:		1st Degreeping				
		1 st Degreasing				
		2 nd Passivation				
Leasurating		Coil Coating				
Lacquering		Coll Coaling Medified Polyector suitable for digital printing System				
opper Sunace/ Lower Sunace		Moullied Polyester suitable for digital printing - System				
Gloss		Semi gloss Target 35 % , Tolerances according to				
		EN 1396				
		High gloss	Target >80% T	olerances a	ccording to EN	
		1396				
Pencil Hardness		Min H				
Paint Thickness		18±3 µm				
TEMPERATURE BEHAVIOUR						
Operational temperature range		From -50° C to +80° C				
Dents, marks, hits, grooves, stains etc.		Acceptable when not visible at a distance ≥ 1 m at an angle of				
		90°				
PROTECTIVE FILM						
Transparent unprinted with special adhesive suitable for digital		An area of 5 mm max, from each edge might be without				
printing / No UV protection		protective film				

**Material before use should be stored inside away from direct sunlight.

***It is advisable to remove the protective film within 6 months after goods receipt. Beyond this period there is a possibility that the protective film might leave remnants of adhesive on the surface

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