

ITEM	METHOD	UNIT	4 MM	3 MM
		Aluminum Alloy	AA 100 H 18	
		Core	Unbreakable LDPE	
		Coating	PVDF / PE	PE
		Warranty	8 - 10 Yrs.	-
<b>Physical Properties</b>				
Panel Thickness		mm	3.8 - 4.3	2.8 - 3.3
Unit Weight		kg / m <sup>2</sup>	5.0	3.8
Heat Distortion Temperature	ASTM D 648	°C	105	105
<b>Mechanical Properties</b>				
Tensile Strength	ASTM E 8	N / mm <sup>2</sup> (MPa)	45	35
Elastic Modulus	ASTM E 8	N / mm <sup>2</sup> (MPa)	30,200	20,800
Flexural Strength	ASTM C 393	N / mm <sup>2</sup> (MPa)	113	86.8
Shearing Strength	ASTM D 732	N / mm <sup>2</sup> (MPa)	28.92	21.80
Drum Peel Strength	ASTM D 1781	N	180	150
<b>Coating Properties</b>				
Coating Thickness	ASTM E 376	µm	36 - 38	22 - 24
Gloss Tolerance	ASTM D 523	GU	± 5	± 5
Pencil Hardness	ASTM D 3363	-	3H	HB
Salt-spray Resistance	ASTM B 117	-	No Change	No Change
Impact Resistance	ASTM D 2794	-	No Change	No Change
Boiling Water Resistance	ASTM D 3359	-	No Change	No Change
Acid Resistance	ASTM D 1308	-	No Change	No Change
Detergent Resistance	ASTM D 2248	-	No Change	No Change