

HYLITE[®]

PRODUCT PROPERTIES

Panel thickness	1.2 mm	2 mm
Aluminium cover sheets	0.2 mm	0.2 mm
Alloy (EN 4852)	EN AW-5182 (AlMg4.5Mn0.4)	
Cover sheet hardness	Hardness (H18)	
Core material	Polypropylen PP	
Panel weight	1.8 kg/m ²	2.5 kg/m ²
Thickness tolerance (EN 485-4)	+/- 0.09 mm	+/- 0.12 mm
Mechanical Properties		
Modulus of elasticity [E]	70.000 N/mm ²	
Yield strength [R _{p0.2}]	≥ 320 N/mm ²	
Tensile strength [R _m]	≥ 380 N/mm ²	
Section modulus [W]	0.2 cm ³ /m	0.36 cm ³ /m
Flexural rigidity (incl. lateral contraction) [ExI]	80 kNcm ² /m	230 kNcm ² /m
Ultimate elongation	4 %	4 %
Thermal Properties		
Service temperature range	-30 to +120 °C	
Temporary temperature (up to 30 minutes)	+150 °C Sufficient for powder or dip coating	
Coefficient of thermal expansion	24 x 10 ⁻⁶ 1/K	

Further technical information about HYLITE[®] is available on request.

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