



Technical Data Sheet

Item	ACREX PMMA sheet
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Section	Properties	Unit	Value	Method
Physical	Density	g/cm ³	1.19	ISO 1183-1
	Water absorption rate	%	0.3	ISO 62 (23°C, 24hr)
Optical	Total Light Transmittance	%	92	ASTM D1003
	Haze	%	0.2	ASTM D1003
	Refractive index	-	1.49	ASTM D542
Mechanical	Tensile Strength at Yield	MPa	76	ASTM D638
	Tensile Modulus of Elasticity	GPa	3.3	ASTM D638
	Elongation at Break	%	6	ASTM D638
	Flexural Strength	MPa	120	ASTM D790
	Flexural Modulus	GPa	3.3	ASTM D790
	Charpy Impact Strength	KJ/m ²	20	ISO 179 (1eU, Unnotched)
	Rockwell hardness	M scale	98	ASTM D785
	Pencil hardness	-	4H	ASTM D3363
Thermal	Heat Distortion Temp. (@1.8MPa)	°C	95	ASTM D648
	Heat Distortion Temp. (@0.45MPa)	°C	98	ASTM D648
	Vicat softening temp.	°C	107	ASTM D1525

※ All above typical values are not guaranteed but for reference only.
All actual values should be approved by the customer.