



Technical Data Sheet

Item	ACREX PMMA sheet
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Section	Properties	Unit	Value	Method
Optical	Total Light Transmittance	%	92	ASTM D 1003
	Haze	%	0.2	ASTM D 1003
	Refractive index	-	1.49	ASTM D 542
Physical	Specific Gravity	g/cm ³	1.19	ASTM D 792
	Water absorption rate	%	0.3	ASTM D 570 (23°C, 24hr)
Mechanical	Tensile Strength at Yield	MPa	76	ASTM D 638
	Tensile Modulus of Elasticity	GPa	3.3	ASTM D 638
	Elongation at Break	%	6	ASTM D 638
	Flexural Strength	MPa	120	ASTM D 790
	Flexural Modulus	GPa	3.3	ASTM D 790
	Izod Impact Strength	J/m	16	ASTM D 256 (Notched)
	Rockwell hardness	M scale	98	ASTM D 785
	Pencil hardness	-	4H	ASTM D 3363
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.