

Extruded Acrylic Sheet

Characteristics

	Test Method	Units	Value
Physical			
Specific Gravity 比重	ASTM D792	g/cm ³	1.19
Water Absorption 吸水率 (23°C, 24hrs.)	ASTM D570	%	0.28
Optical			
Transmittance 透光率	ASTM D1003	%	92
Haze 霧度	ASTM D1003	%	<1
Refractive Index 折射率	ASTM D542		1.49
Mechanical			
Tensile Strength 拉伸強度	ASTM D638	PSI	9,700
Tensile Elongation 伸長率		%	4
Modulus of elasticity 彈性模量		PSI	500,000
Flexural Strength 抗彎強度	ASTM D790	PSI	16,100
Flexural modulus 彎曲模量		PSI	500,000
Rockwell Hardness 洛氏硬度	JIS K7202	M scale	92
Thermal			
Vicat Softening temperature 軟化點	ASTM D1525	°C	101
Coefficient of Linear Thermal Expansion 線性熱膨脹係數 (-30°C ~ 30°C)	ASTM E831	µm/(m·°C)	55.54

The information is based on tests by SGS, tests performed on 3mm thick acrylic.

Values will change with several factors and should not be used for specification purposes.

以上資料會隨多種因素影響而有所不同，僅供參考。若有需要歡迎索取最新樣本進行測試。