



Material Test Report

Product: Polymethyl Methacrylate

Color: Transparent; natural

◆ General Information :

Characteristic	<ul style="list-style-type: none"> ■Excellent transparency ■Excellent weather resistance ■ Excellent surface scratch resistance
Grade	<ul style="list-style-type: none"> ■General Purpose Grade
Appearance	<ul style="list-style-type: none"> ■ Transparent pellet
Processing Method	<ul style="list-style-type: none"> ■Injection Molding ■extrusion

◆ Product Specification

Property	Test Method	Test Condition	unit	result
Density	ISO 1183	23℃	g/cm ³	1.18
Tensile Strength	ISO 527	50 mm/min	MPa	75
Elongation at break	ISO 527	50 mm/min	%	5.0
Flexural Strength	ISO 178	2 mm/min	MPa	110
Flexural modulus	ISO 178	2 mm/min	MPa	3020
Izod Impact Strength, notched	ISO 180	2.75J	kJ/m ²	1.2
Melt mass-Flow Rate	ISO 1133	230℃/3.8Kg	g/10min	2
Heat Deflection Temperature	ISO 75	1.8MPa	℃	95
Flammability	UL 94	1.5mm/3.0mm	Class	HB

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