

SUMIPEX® HS

Polymethyl Methacrylate Acrylic
Sumitomo Chemical Co., Ltd.

Message:

SUMIPEX® HS is a Polymethyl Methacrylate Acrylic material. It is available in Asia Pacific, Europe, or North America.
Important attributes of SUMIPEX® HS are:
Flame Rated
Heat Resistant
Impact Resistant
Low Moisture Absorption

General Information			
UL YellowCard	E54705-244927		
Features	Good Impact Resistance		
	High Heat Resistance		
	Low Moisture Absorption		
UL File Number	E54705B		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.15	g/cm ³	JIS K7112
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	4.0	g/10 min	JIS K7210
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	330		JIS K7202
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	68.0	MPa	JIS K7113
Tensile Elongation (Break)	6.0	%	JIS K7113
Flexural Modulus	3200	MPa	JIS K7203
Flexural Strength	120	MPa	JIS K7203
Flexural Rigidity	8.0	%	JIS K7203
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	1.8	kJ/m ²	JIS K7110
Charpy Unnotched Impact Strength	1.4	kJ/m ²	JIS K7110
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ² (1.8 MPa, Annealed)	99.0	°C	JIS K7207
Vicat Softening Temperature	103	°C	JIS K7206
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm, All Colors)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.520		JIS K7105

Transmittance ³	93.0	%	JIS K7105
Haze	< 0.50	%	JIS K7105
NOTE			
1.	Method A		
2.	VST 25±3, 4 hrs		
3.	Method A		

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Recommended distributors for this material

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