PARAPET GF

Polymethyl Methacrylate Acrylic

Kuraray Co., Ltd.

Message:

PARAPET GF is a polymethyl methacrylate-acrylic material. This product is available in North America, Europe or Asia Pacific. The main characteristics of PARAPET GF are: flame retardant/rated flame.

General Information			
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.19	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	15	g/10 min	ISO 1133
Molding Shrinkage	0.20 - 0.60	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (M-Scale)	94		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3300	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	67.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.0	%	ISO 527-2/1A/5
Flexural Modulus	3300	MPa	ISO 178
Flexural Stress	108	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	1.3	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	19	kJ/m²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Annealed)	86.0	°C	ISO 75-2/A
Vicat Softening Temperature	92.0	°C	ISO 306/B50
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Dielectric Strength	20	kV/mm	IEC 60243-1
Dielectric Constant (60 Hz)	4.00		IEC 60250
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94
Optical	**Nominal Value**		**Test Method**
Refractive Index	1.490		ISO 489
Additional Information			
Light Transmission, ISO 13468-1, 3 mm: >92%Haze, ISO 14782, 3 mm: <0.3%			
Injection	**Nominal Value**	**Unit**	

Drying Temperature	75.0 - 80.0	°C
Drying Time	4.0 - 6.0	hr
Rear Temperature	180 - 220	°C
Middle Temperature	180 - 220	°C
Front Temperature	180 - 220	°C
Mold Temperature	40.0 - 60.0	°C
Injection Pressure	60.0 - 140	MPa

Recommended distributors for this material

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