

PALGLAS® R 08

Polymethyl Methacrylate Acrylic
pal plast GmbH

Message:

PALGLAS® R 08 is a polymethyl methacrylate-acrylic acid product. It is available in Europe. Typical application areas are: automotive industry.
Features include:
flame retardant/rated flame
high hardness
Heat resistance
Transparency

General Information			
Features	Heat resistance, high		
	Definition, high		
	High hardness		
Uses	Application in Automobile Field		
Appearance	Clear/transparent		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Water Absorption			ISO 62
Saturated, 23°C	2.0	%	ISO 62
Equilibrium, 23°C, 50% RH	0.60	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3100	MPa	ISO 527-2/1A/1
Tensile Stress (Break, 23°C)	74.5	MPa	ISO 527-2/1A/5
Tensile Strain (Break, 23°C)	5.0	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	18	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	107	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Additional Information			

Tensile Modulus, ISO 527, 23°C, 1 mm/min, Type A: 3000 to 3200 MPaTensile Stress at Break, ISO 527, 23°C, 5 mm/min, Type A: 72 to 77 MPaTensile Strain at Break, ISO 527, 23°C, 5 mm/min, Type A: 4 to 6 %Charpy Unnotched Impact, ISO 179, Type 1, Edgewise, 23°C: 15 to 20 kJ/m²Vicat Softening Temperature, ISO 306, B50 (50°C/h 50N): 105 to 108 °CDensity, ISO 1183: 1.18 to 1.2 g/cm³Water Absorption, ISO 62, 23°C, Saturation: 1.9 to 2.1 %Moisture Absorption, ISO 62, 23°C, 50% RH: 0.5 to 0.7 %

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