

PALGLAS® R 30 Z

Polymethyl Methacrylate Acrylic
pal plast GmbH

Message:

PALGLAS® R 30 Z is a polymethyl methacrylate-acrylic acid product. It is available in Europe. Typical application areas are: electrical appliances.
Features include:
flame retardant/rated flame
Impact modification
Impact resistance

General Information			
Additive	Impact modifier		
Features	Impact modification		
	Impact resistance, good		
Uses	Electrical appliances		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm³	ISO 1183
Water Absorption			ISO 62
Saturated, 23°C	1.7	%	ISO 62
Equilibrium, 23°C, 50% RH	0.50	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1900	MPa	ISO 527-2/1A/1
Tensile Stress (Yield, 23°C)	48.5	MPa	ISO 527-2/1A/50
Tensile Strain (Yield, 23°C)	4.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	50	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.5	°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: 1800 to 2000 MPaTensile Stress at Yield, ISO 527, 23°C, 50 mm/min, Type A: 47 to 50 MPaTensile Strain at Yield, ISO 527, 23°C, 50 mm/min, Type A: 3 to 5 %Charpy Unnotched Impact, ISO 179, Type 1, Edgewise, 23°C: 45 to 55 kJ/m²Vicat Softening Temperature, ISO 306, B50 (50°C/h 50N): 95 to 98 °CDensity, ISO 1183: 1.4 to 1.16 g/cm³Water Absorption, ISO 62, 23°C, Saturation: 1.5 to 1.9 %Moisture Absorption, ISO 62, 23°C, 50% RH: 0.4 to 0.6 %

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