

PALBLEND® R 85 GF 10

Polycarbonate + ABS

pal plast GmbH

Message:

PALBLEND® R 85 GF 10 is a polycarbonate + acrylonitrile butadiene styrene (PC + ABS) product, which contains a 10% glass fiber reinforced material. It is available in Europe. Typical application areas are: electrical/electronic applications.

Features include:

flame retardant/rated flame

High stiffness

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Rigidity, high		
Uses	Electrical/Electronic Applications		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	15.0	cm ³ /10min	ISO 1133
Water Absorption			ISO 62
Saturated, 23°C	0.50	%	ISO 62
Equilibrium, 23°C, 50% RH	0.18	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3750	MPa	ISO 527-2/1A/1
Tensile Stress (Break, 23°C)	62.5	MPa	ISO 527-2/1A/5
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2/1A/5
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	128	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Additional Information			

Melt-Volume Flow Rate, ISO 1133, 260°C/5 kg: 10 to 20 cm³/10 min
Tensile Modulus, ISO 527, 23°C, 1 mm/min, Type A: 3500 to 4000 MPa
Tensile Stress at Break, ISO 527, 23°C, 5 mm/min, Type A: 60 to 65 MPa
Tensile Strain at Break, ISO 527, 23°C, 5 mm/min, Type A: 2 to 4 %
Vicat Softening Temperature, ISO 306, B50 (50°C/h 50N): 126 to 129 °C
Density, ISO 1183: 1.18 to 1.2 g/cm³
Water Absorption, ISO 62, 23°C, Saturation: 0.4 to 0.6 %
Moisture Absorption, ISO 62, 23°C, 50% RH: 0.15 to 0.2 %

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