

PALBLEND® R FR 0

Polycarbonate + ABS
pal plast GmbH

Message:

PALBLEND®R FR 0 is a polycarbonate acrylonitrile butadiene styrene (PC ABS) product. It is available in Europe. Typical application areas are: electrical/electronic applications.

Features include:

- flame retardant/rated flame
- Flame Retardant
- Good UV resistance
- Halogen-free

General Information			
Additive	Flame retardancy		
Features	Good UV resistance		
	Halogen-free		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm³	ISO 1183
Water Absorption			ISO 62
Saturated, 23°C	0.60	%	ISO 62
Equilibrium, 23°C, 50% RH	0.18	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2550	MPa	ISO 527-2/1A/1
Tensile Stress (Yield, 23°C)	57.5	MPa	ISO 527-2/1A/50
Tensile Strain (Yield, 23°C)	4.0	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break (23°C)	50	%	ISO 527-2/1A/50
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	86.5	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	300	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Additional Information			

Tensile Modulus, ISO 527, 23°C, 1 mm/min, Type A: 2400 to 2700 MPaTensile Stress at Yield, ISO 527, 23°C, 50 mm/min, Type A: 55 to 60 MPaTensile Strain at Yield, ISO 527, 23°C, 50 mm/min, Type A: 3 to 5 %Nominal Tensile Strain at Break, ISO 527, 23°C, 50 mm/min, Type A: >50 %Vicat Softening Temperature, ISO 306, B50 (50°C/h 50N): 85 to 88 °CDensity, ISO 1183: 1.15 to 1.17 g/cm³Water Absorption, ISO 62, 23°C, Saturation: 0.5 to 0.7 %Moisture Absorption, ISO 62, 23°C, 50% RH: 0.15 to 0.2 %

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