

PALRAN® R S 20

Acrylonitrile Butadiene Styrene
pal plast GmbH

Message:

PALRAN® R S 20 is an acrylonitrile butadiene styrene (ABS) product. It can be processed by injection molding and is available in Europe.
Features include:
flame retardant/rated flame
Impact resistance
Heat resistance

General Information			
Features	Impact resistance, good		
	Electroplateable		
	Good liquidity		
	Heat resistance, medium		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm³	ISO 1183
Water Absorption (Saturation, 23°C)	0.25	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2100	MPa	ISO 527-2/1A/1
Tensile Stress (Yield, 23°C)	37.5	MPa	ISO 527-2/1A/50
Tensile Strain (Yield, 23°C)	22	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	18	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	92.5	°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: 2000 to 2200 MPaTensile Stress at Yield, ISO 527, 23°C, 50 mm/min, Type A: 35 to 40 MPaTensile Strain at Yield, ISO 527, 23°C, 50 mm/min, Type A: 20 to 24 %Charpy Notched Impact, ISO 179, Type 1, Edgewise, Notch A, 23°C: 15 to 20 kJ/m²Vicat Softening Temperature, ISO 306, B50 (50°C/h 50N): 90 to 95 °CDensity, ISO 1183: 1.03 to 1.05 g/cm³Water Absorption, ISO 62, 23°C, Saturation: 0.2 to 0.3 %

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