

PALRAN® R S 40

Acrylonitrile Butadiene Styrene

pal plast GmbH

Message:

PALRAN® R S 40 is an acrylonitrile butadiene styrene (ABS) product. It can be processed by injection molding and is available in Europe. PALRAN® The application areas of R S 40 include electrical appliances and commercial/office supplies.

Features include:

flame retardant/rated flame

high gloss

high hardness

General Information			
Features	Highlight		
	Antistatic property		
	Good liquidity		
	High hardness		
Uses	Electrical appliances		
	Business equipment		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	40.0	cm ³ /10min	ISO 1133
Water Absorption (Saturation, 23°C)	0.25	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2500	MPa	ISO 527-2/1A/1
Tensile Stress (Yield, 23°C)	42.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield, 23°C)	18	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	kJ/m ²	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			

Melt-Volume Flow Rate, ISO 1133, 220°C/10 kg: 35 to 45 cm³/10 minTensile Modulus, ISO 527, 23°C, 1 mm/min, Type A: 2400 to 2600 MPaTensile Stress at Yield, ISO 527, 23°C, 50 mm/min, Type A: 40 to 44 MPaTensile Strain at Yield, ISO 527, 23°C, 50 mm/min, Type A: 15 to 20 %Charpy Notched Impact, ISO 179, Type 1, Edgewise, Notch A, 23°C: 12 to 16 kJ/m²Vicat Softening Temperature, ISO 306, B50 (50°C/h 50N): 90 to 95 °CDensity, ISO 1183: 1.04 to 1.06 g/cm³Water Absorption, ISO 62, 23°C, Saturation: 0.2 to 0.3 %

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