

PALRAN® R S H 08

Acrylonitrile Butadiene Styrene
pal plast GmbH

Message:

PALRAN® R S H 08 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 H 08 include electrical appliances and automotive industries.
Features include:
flame retardant/rated flame
Heat resistance

General Information			
Features	Heat resistance, high		
Uses	Electrical appliances		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	5.50	cm³/10min	ISO 1133
Water Absorption (Saturation, 23°C)	0.25	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2700	MPa	ISO 527-2/1A/1
Tensile Stress (Yield, 23°C)	50.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield, 23°C)	25	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	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	109	°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: 3 to 8 cm³/10 min
Tensile Modulus, ISO 527, 23°C, 1 mm/min, Type A: 2600 to 2800 MPa
Tensile Stress at Yield, ISO 527, 23°C, 50 mm/min, Type A: 47 to 53 MPa
Tensile Strain at Yield, ISO 527, 23°C, 50 mm/min, Type A: 22 to 27 %
Charpy Notched Impact, ISO 179, Type 1, Edgewise, Notch A, 23°C: 10 to 13 kJ/m²
Vicat Softening Temperature, ISO 306, B50 (50°C/h 50N): 107 to 110 °C
Density, ISO 1183: 1.05 to 1.07 g/cm³
Water Absorption, ISO 62, 23°C, Saturation: 0.2 to 0.3 %

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