

PALRAN® R S H 08 GF 16

Acrylonitrile Butadiene Styrene
pal plast GmbH

Message:

PALRAN® R S H 08 GF 16 is an acrylonitrile butadiene styrene (ABS) product, which contains a filler of 16% glass fiber reinforcement. It can be processed by injection molding and is available in Europe. PALRAN® The application fields of R S H 08 GF 16 include electrical appliances and automotive industries. Features include:
flame retardant/rated flame
High stiffness
Heat resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 16% filler by weight		
Features	Rigidity, high		
	Heat resistance, high		
Uses	Electrical appliances		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5250	MPa	ISO 527-2/1A/1
Tensile Stress (Break, 23°C)	67.5	MPa	ISO 527-2/1A/5
Tensile Strain (Break, 23°C)	2.5	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	17	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	102	°C	ISO 306/B50
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	HB	UL 94	
Additional Information			

Tensile Modulus, ISO 527, 23°C, 1 mm/min, Type A: 5000 to 5500 MPaTensile Stress at Break, ISO 527, 23°C, 5 mm/min, Type A: 65 to 70 MPaTensile Strain at Break, ISO 527, 23°C, 5 mm/min, Type A: 2 to 3 %Charpy Unnotched Impact, ISO 179, Type 1, Edgewise, 23°C: 15 to 19 kJ/m²Charpy Notched Impact, ISO 179, Type 1, Edgewise, Notch A, 23°C: 4 to 5 kJ/m²Vicat Softening Temperature, ISO 306, B50 (50°C/h 50N): 100 to 104 °CDensity, ISO 1183: 1.15 to 1.17 g/cm³

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