

PALSTYROL® R S M 12

General Purpose Polystyrene

pal plast GmbH

Message:

PALSTYROL® R S M 12 is a general-purpose polystyrene product. It can be processed by extrusion or injection molding and is available in Europe. PALSTYROL® The application areas of R S M 12 include packaging, electrical/electronic applications and home applications. Features include:
flame retardant/rated flame
Copolymer
Impact resistance

General Information	
Features	Copolymer Medium impact resistance
Uses	Packaging Electrical/Electronic Applications Household goods
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (200°C/5.0 kg)	6.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2000	MPa	ISO 527-2/1A/1
Tensile Stress (Yield, 23°C)	29.5	MPa	ISO 527-2/1A/50
Tensile Strain (Yield, 23°C)	1.5	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break (23°C)	28	%	ISO 527-2/1A/50
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	82.5	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	550	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, 200°C/5 kg: 4 to 8 cm ³ /10 minTensile Modulus, ISO 527, 23°C, 1 mm/min, Type A: 1900 to 2100 MPaTensile Stress at Yield, ISO 527, 23°C, 50 mm/min, Type A: 28 to 31 MPaTensile Strain at Yield, ISO 527, 23°C, 50 mm/min, Type A: 1 to 2 %Nominal Tensile Strain at Break, ISO 527, 23°C, 50 mm/min, Type A: 25 to 30 %Vicat Softening Temperature, ISO 306, B50 (50°C/h 50N): 80 to 85 °CDensity, ISO 1183: 1.04 to 1.06 g/cm ³	

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