

PALSAFE® R 10

Polycarbonate
pal plast GmbH

Message:

PALSAFE® R 10 is a polycarbonate (PC) product. It can be processed by injection molding and is available in Europe. PALSAFE®The application areas of R 10 include electrical/electronic applications and electrical appliances.

Features include:

- flame retardant/rated flame
- high strength
- high hardness
- Impact resistance
- Medium viscosity

General Information			
Features	High strength Impact resistance, good High hardness Medium viscosity		
Uses	Electrical/Electronic Applications Electrical appliances		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	12.0	cm³/10min	ISO 1133
Water Absorption			ISO 62
Saturated, 23°C	0.30	%	ISO 62
Equilibrium, 23°C, 50% RH	0.18	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2300	MPa	ISO 527-2/1A/1
Tensile Stress (Yield, 23°C)	61.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield, 23°C)	5.0	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break (23°C)	50	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	144	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	275	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.60 mm)	V-2	UL 94
------------------------	-----	-------

Additional Information

Melt-Volume Flow Rate, ISO 1133, 300°C/1.2 kg: 9 to 15 cm³/10 minTensile Modulus, ISO 527, 23°C, 1 mm/min, Type A: 2200 to 2400 MPaTensile Stress at Yield, ISO 527, 23°C, 50 mm/min, Type A: 59 to 63 MPaTensile Strain at Yield, ISO 527, 23°C, 50 mm/min, Type A: 4 to 6 %Nominal Tensile Strain at Break, ISO 527, 23°C, 50 mm/min, Type A: >50 %Vicat Softening Temperature, ISO 306, B50 (50°C/h 50N): 142 to 145 °CDensity, ISO 1183: 1.18 to 1.2 g/cm³Water Absorption, ISO 62, 23°C, Saturation: 0.2 to 0.4 %Moisture Absorption, ISO 62, 23°C, 50% RH: 0.15 to 0.2 %

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT