

PALMID® R 66 S

Polyamide 66

pal plast GmbH

Message:

PALMID®R 66 S is a polyamide 66 (nylon 66) product. It can be processed by injection molding and is available in Europe. Typical application areas are: engineering/industrial accessories.

Features include:

flame retardant/rated flame

Impact resistance

chemical resistance

General Information			
Features	Impact resistance, high		
	Good liquidity		
	Good chemical resistance		
Uses	Gear		
	Engineering accessories		
	Bearing		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Water Absorption			ISO 62
Saturated, 23°C	8.5	%	ISO 62
Equilibrium, 23°C, 50% RH	2.9	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3100	MPa	ISO 527-2/1A/1
Tensile Stress (Yield, 23°C)	82.5	MPa	ISO 527-2/1A/50
Tensile Strain (Yield, 23°C)	4.0	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break (23°C)	25	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.5	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	249	°C	ISO 306/B50
Melting Temperature (DSC)	260	°C	ISO 3146
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)	V-2		UL 94

Additional Information

Tensile Modulus, ISO 527, 23°C, 1 mm/min, Type A: 3000 to 3200 MPa Tensile Stress at Yield, ISO 527, 23°C, 50 mm/min, Type A: 80 to 85 MPa Tensile Strain at Yield, ISO 527, 23°C, 50 mm/min, Type A: 3 to 5 % Nominal Tensile Strain at Break, ISO 527, 23°C, 50 mm/min, Type A: 20 to 30 % Charpy Notched Impact, ISO 179, Type 1, Edgewise, Notch A, 23°C: 4 to 7 kJ/m² Vicat Softening Temperature, ISO 306, B50 (50°C/h 50N): 247 to 250 °C Density, ISO 1183: 1.12 to 1.14 g/cm³ Water Absorption, ISO 62, 23°C, Saturation: 8 to 9 % Moisture Absorption, ISO 62, 23°C, 50% RH: 2.8 to 3 %

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

