PALPROP® R C 15 TV 20

Polypropylene Copolymer

pal plast GmbH

Message:

PALPROP®R C 15 TV 20 is a polypropylene copolymer (PP Copoly) product, which contains 20% mineral fillers. It can be processed by injection molding and is available in Europe. PALPROP®R C 15 TV 20 applications include electrical/electronic applications and houses.
Features include:
anti-warping
Good stiffness
beautiful
Impact resistance

General Information			
Filler / Reinforcement	Mineral filler, 20% filler by weight		
Features	Low warpage Rigid, good Impact resistance, good Excellent appearance		
Uses	Electrical/Electronic Applications Shell		
Appearance	Translucent		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.05	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	11.0	cm³/10min	ISO 1133
Water Absorption (Saturation, 23°C)	1.9	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	2250	MPa	ISO 527-2/1A/1
Tensile Stress (Yield, 23°C)	30.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield, 23°C)	6.5	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break (23°C)	18	%	ISO 527-2/1A/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	3.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	kJ/m²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	92.5	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146
Electrical	**Nominal Value**	**Unit**	**Test Method**

Comparative Tracking Index (Solution A)	600	V	IEC 60112

Additional Information

Melt-Volume Flow Rate, ISO 1133, 230°C/2.16 kg: 7 to 15 cm^3/10 minTensile Modulus, ISO 527, 23°C, 1 mm/min, Type A: 2000 to 2500 MPaTensile Stress at Yield, ISO 527, 23°C, 50 mm/min, Type A: 28 to 32 MPaTensile Strain at Yield, ISO 527, 23°C, 50 mm/min, Type A: 5 to 8 %Nominal Tensile Strain at Break, ISO 527, 23°C, 50 mm/min, Type A: 15 to 20 %Charpy Unnotched Impact, ISO 179, Type 1, Edgewise, 23°C: 40 to 50 kJ/m^2Charpy Notched Impact, ISO 179, Type 1, Edgewise, Notch A, 23°C: 2 to 4 kJ/m^2Vicat Softening Temperature, ISO 306, B50 (50°C/h 50N): 90 to 95 °CDensity, ISO 1183: 1.04 to 1.06 g/cm^3Water Absorption, ISO 62, 23°C, Saturation: 1.8 to 2 %

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