ISPLEN® PM 270 XT

Polypropylene Homopolymer

REPSOL

Message:

Polypropylene homopolymer, 20% mineral fillers reinforced and high melt flow rate.
ISPLEN® PM270 XT gives a high stiffness, and a low warpage and shrinkage behaviour. The product is high heat stabilised specially designed for low odour emission applications.
APPLICATIONS
Automotive: Under the bonnet parts subjected to high thermal stress (Light housings, heat and ventilation ducts).
Air conditioning elements inside the car.
Technical pieces, in general.

General Information	
Filler / Reinforcement	Mineral,20% Filler by Weight
Additive	Heat Stabilizer
Features	Heat Stabilized High Flow High Stiffness Low Shrinkage Low to No Odor Low Warpage
Uses	Automotive Applications Automotive Under the Hood Engineering Parts

Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage [1]	0.90 to 0.97	%	ISO 2577
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D, 15 sec)	73		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2400	MPa	ISO 527-2
Tensile Stress (Yield)	32.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength			ISO 180
-20°C	1.5	kJ/m²	
0°C	2.0	kJ/m²	

23°C	2.7	kJ/m²	
Unnotched Izod Impact Strength			ISO 180
-20°C	10	kJ/m²	
0°C	15	kJ/m²	
23°C	30	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	106	°C	ISO 75-2/B
1.8 MPa, Unannealed	58.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	153	°C	ISO 306/A120
--	95.0	°C	ISO 306/B120
Flammability	**Nominal Value**	**Unit**	**Test Method**
Burning Rate	70	mm/min	VW TL1010
Carbon Emission	20.0	μg/g	VW PV3341
Fogging	7.0E-4	g	DIN 75201
Odor	2.50 to 3.00		VW PV3900
NOTE			
1.	150x100x3mm		

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

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