

ISPLEN® PM276EV

Polypropylene Copolymer

REPSOL

Message:

ISPLEN® PM276EV is a copolymer 16% mineral fillers reinforced. It shows a high impact resistance with an excellent scratch resistance, and good stiffness and demoulding properties during the transformation process. The product is UV stabilised.

APPLICATIONS

Automotive: Interior trims and panels.

Technical pieces, in general.

General Information			
Filler / Reinforcement	Mineral filler, 16% filler by weight		
Additive	UV stabilizer		
Features	Rigid, good		
	Copolymer		
	High scratch resistance		
	Impact resistance, high		
Uses	Application in Automobile Field		
	Car interior parts		
	Car interior equipment		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.990	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Transverse flow	0.77	%	ISO 294-4
Flow	0.75	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2100	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	17.0	MPa	ISO 527-2
Fracture	20.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	16	%	ISO 527-2
Fracture	4.0	%	ISO 527-2
Flexural Modulus	1700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179

-40°C	2.3	kJ/m ²	ISO 179
-20°C	2.7	kJ/m ²	ISO 179
23°C	9.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength			ISO 179
-40°C	45	kJ/m ²	ISO 179
-20°C	53	kJ/m ²	ISO 179
0°C	83	kJ/m ²	ISO 179
23°C	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	73.0	°C	ISO 75-2/B
1.8 MPa, not annealed	53.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	144	°C	ISO 306/A120
--	66.0	°C	ISO 306/B120
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 250	°C	

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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

