

ISPLEN® PM 276 BV

Polypropylene Copolymer

REPSOL

Message:

Polypropylene copolymer with 16% mineral filler reinforced. It shows very high impact strength as well as good stiffness and demoulding properties during injection moulding.

The product ISPLEN® PM276 BV is UV stabilised to be used with high temperatures.

APPLICATIONS

Automotive:

Interior trims and panels.

Fenders.

Technical pieces, in general.

General Information			
Filler / Reinforcement	Mineral, 16% Filler by Weight		
Additive	UV Stabilizer		
Features	Good Mold Release		
	Good Stiffness		
	Ultra High Impact Resistance		
Uses	Automotive Applications		
	Automotive Interior Trim		
	Engineering Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.990	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage ¹	0.75 to 0.77	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	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	
Break	20.0	MPa	
Tensile Strain			ISO 527-2
Yield	16	%	
Break	4.0	%	
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	
-20°C	2.7	kJ/m ²	
23°C	9.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-40°C	45	kJ/m ²	
-20°C	53	kJ/m ²	
0°C	83	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	73.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	53.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	144	°C	ISO 306/A120
--	66.0	°C	ISO 306/B120
NOTE			
1.	150x100x3mm		

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