

ISPLEN® PM 275 DV

Polypropylene Copolymer

REPSOL

Message:

Polypropylene copolymer compound, with 20% mineral fillers reinforced and medium melt flow rate. ISPLEN® PM275 DV shows good impact strength and a medium rigidity. The product is UV stabilised.

APPLICATIONS

Automotive: Interior trims and panels.

Technical pieces, in general.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Additive	UV Stabilizer		
Features	Good Impact Resistance		
	Medium Flow		
	Medium Rigidity		
Uses	Automotive Applications		
	Automotive Interior Trim		
	Engineering Parts		

Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage ¹	0.90 to 1.0	%	ISO 2577

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	62		ISO 868

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	23.0	MPa	
Break	18.0	MPa	
Tensile Strain			ISO 527-2
Yield	3.5	%	
Break	31	%	
Flexural Modulus	2300	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	2.0	kJ/m ²	
0°C	2.5	kJ/m ²	
23°C	4.0	kJ/m ²	

Charpy Unnotched Impact Strength			ISO 179
-20°C	2.5	kJ/m ²	
0°C	50	kJ/m ²	
23°C	110	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	86.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	147	°C	ISO 306/A120
--	73.0	°C	ISO 306/B120
NOTE			
1.	150x100x3mm		

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