

ISPLEN® PM 274 AS

Polypropylene Copolymer

REPSOL

Message:

Polypropylene copolymer, 20% mineral fillers reinforced and with high processability.

ISPLEN® PM274 AS shows high stiffness and good impact strength. It gives good aesthetic properties and high gloss surface.

The product has a standard stabilization, able to be used in the main applications.

APPLICATIONS

Electrical appliances and white line.

Automotive: insertion, steps, structural parts.

Technical pieces, in general.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Features	Good Impact Resistance		
	Good Processability		
	Good Surface Finish		
	High Gloss		
	High Stiffness		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	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)	14	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	21.0	MPa	
Break	21.0	MPa	
Tensile Strain			ISO 527-2
Yield	3.0	%	
Break	15	%	
Flexural Modulus	2300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C	1.6	kJ/m ²	

-20°C	2.0	kJ/m ²	
0°C	2.5	kJ/m ²	
23°C	3.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-40°C	24	kJ/m ²	
-20°C	28	kJ/m ²	
0°C	30	kJ/m ²	
23°C	52	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	91.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	59.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	150	°C	ISO 306/A120
--	79.0	°C	ISO 306/B120

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