

# ISPLEN® PM 460 AS

Polypropylene Homopolymer

REPSOL

## Message:

Polypropylene homopolymer, 40% mineral fillers reinforced and medium melt flow rate.

ISPLEN PM460 AS shows a high stiffness, as well as a low warpage and shrinkage behaviour. The product has a standard stabilization, able to be used in the main applications.

## APPLICATIONS

Technical pieces, in general.

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Additive	Unspecified Additive		
Features	High Stiffness		
	Low Shrinkage		
	Low Warpage		
	Medium Flow		
Uses	Engineering Parts		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	79		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain (Yield)	3.0	%	ISO 527-2
Flexural Modulus	4300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
0°C	2.0	kJ/m <sup>2</sup>	
23°C	2.5	kJ/m <sup>2</sup>	
Unnotched Izod Impact Strength			ISO 180
0°C	10	kJ/m <sup>2</sup>	
23°C	15	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	130	°C	ISO 75-2/B
1.8 MPa, Unannealed	79.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	156	°C	ISO 306/A120

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