

ISPLEN® PP 080 A

Polypropylene Homopolymer

REPSOL

Message:

Polypropylene homopolymer with high melt flow rate for injection applications. ISPLEN® PP 080 A shows a high stiffness and a low warpage shrinkage behaviour. This product is standard stabilised and also antistatic formulated.

APPLICATIONS

Small domestic containers.

Rigid packages.

Small boxes for cosmetic.

Gardens furniture.

General Information			
Additive	Antistatic		
Features	Antistatic		
	High Flow		
	High Stiffness		
	Low Shrinkage		
	Low Warpage		
Uses	Containers		
	Furniture		
	Packaging		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage ¹	1.2	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	68		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1300	MPa	ISO 527-2
Tensile Stress (Break)	28.0	MPa	ISO 527-2
Tensile Strain (Break)	14	%	ISO 527-2
Flexural Modulus	1300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C	1.5	kJ/m ²	
-20°C	1.6	kJ/m ²	
0°C	1.6	kJ/m ²	

23°C	2.5	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-40°C	14	kJ/m ²	
-20°C	14	kJ/m ²	
0°C	18	kJ/m ²	
23°C	81	kJ/m ²	
Notched Izod Impact Strength			ISO 180
0°C	2.5	kJ/m ²	
23°C	2.6	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180
0°C	20	kJ/m ²	
23°C	60	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	81.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	71.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	152	°C	ISO 306/A120
--	56.0	°C	ISO 306/B120
NOTE			
1.	150x100x3mm		

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