ISPLEN® PB 180 G2M

Polypropylene Impact Copolymer

REPSOL

Message:

ISPLEN® PB 180 G2M is a high fluidity heterophasic copolymer characterised by its excellent flow properties and by its good balance of mechanical properties: impact strength and stiffness. It is particularly suitable for injection moulding applications of thin walled articles. The material also shows very low tendency to warp and it is used in goods where dimensional stability is important.
TYPICAL APPLICATIONS
The particular characteristics of ISPLEN® PB 180 G2M permit a grade intended for use in applications where good proccesability is appreciated in addition with good mechanical properties:
Domestic and leisure furniture.
Square boxes and round storage containers for consumer appliances.
Trays and containers for cold storage of foodstuffs: ice creams, fresh vegetables, fruit processed...
Industrial components: toys, sports, leisure, automotive, storage organizers, packaging...
Recommended melt temperature range from 190 to 250°C. Processing conditions should be optimised for each production line.

General Information			
Features	Food Contact Acceptable Good Dimensional Stability Good Impact Resistance Good Processability Good Stiffness High Flow Low Warpage		
Uses	Automotive Applications Containers Food Containers Furniture Industrial Applications Packaging Sporting Goods Thin-walled Parts Toys		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	62		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**

Flexural Modulus	1250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m^2	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	88.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 250	°C	

Recommended distributors for this material

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