

ISPLEN® PB 130 G1M

Polypropylene Impact Copolymer

REPSOL

Message:

ISPLEN® PB 130 G1M is a heterophasic copolymer with high molecular weight designed for injection moulding applications where extremely high impact, even at low temperatures, is necessary in addition with good processability. Among other technical advantages, ISPLEN® PB 130 G1M offers: Production of articles with extra high toughness as a main requirement.

Good stiffness.

Because of its better stackability and stress cracking resistance, it can replace HDPE.

TYPICAL APPLICATIONS

ISPLEN® PB 130 G1M is particularly intended for articles which primary requirement is very high toughness: industrial handling or packaging, houseware and garden containers, luggage, toolboxes, professional organizers and maintenance systems, pallets, crates and disposal containers. Also is suitable for technical components: toys, sports (bikes or sky equipment), leisure goods, automotive, fittings for pressure/non pressure pipes, parts of domestic appliances, etc.

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 Processability		
	Good Stiffness		
	High ESCR (Stress Crack Resist.)		
	High Molecular Weight		
	Low Temperature Impact Resistance		
	Ultra High Impact Resistance		
	Ultra High Toughness		
Uses	Appliance Components		
	Automotive Applications		
	Containers		
	Crates		
	Fittings		
	Household Goods		
	Industrial Applications		
	Luggage		
	Packaging		
	Pallets		
	Sporting Goods		
	Toys		
Agency Ratings		EU Food Contact, Unspecified Rating	
Processing Method		Injection Molding	
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.3	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	16	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	77.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 250	°C	

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