

Moplen RP2560

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Moplen RP2560 is a random copolymer, suitable for injection stretch blow moulding (ISBM) and injection moulding applications. The product features very good transparency and gloss. Moplen RP2560 is commonly used in packaging of detergents, cosmetics and others. Moplen RP2560 is not intended for use in medical or healthcare applications.

General Information			
Additive	Nucleating Agent		
Features	Detergent Resistant		
	Good Chemical Resistance		
	Good Impact Resistance		
	High Clarity		
	Nucleated		
	Random Copolymer		
Uses	Household Goods		
	Packaging		
Processing Method	Injection Molding		
	Injection Stretch Blow 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)	11	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	15.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	58.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	14	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	2.0	kJ/m ²	
23°C	6.0	kJ/m ²	

Charpy Unnotched Impact Strength			ISO 179/1eU
0°C	100	kJ/m ²	
23°C	200	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	72.0	°C	ISO 75-2/B
Optical	Nominal Value	Unit	Test Method
Haze (1000 µm, Injection Molded)	9.0	%	ASTM D1003

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