

Moplen 2000HEXP

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen 2000HEXP is a medium fluidity heterophasic copolymer development grade with an additivation suitable for injection moulding applications. It exhibits an outstanding impact performance, particularly at low temperature combined with a good processability. The resin is particularly designed for injection moulding applications where very high impact performance is critical. "Moplen" 2000HEXP can be used in luggage, closures and as an ideal base material for technical compounding.

It is not intended for medical and pharmaceutical applications.

General Information			
Features	Block Copolymer		
	Good Processability		
	High Impact Resistance		
	Low Temperature Toughness		
	Medium Flow		
Uses	Closures		
	Luggage		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	22.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	43.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1000	MPa	ISO 527-2
Tensile Stress (Yield)	19.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2
Yield	6.0	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	6.5	kJ/m ²	
0°C	8.0	kJ/m ²	
23°C	13	kJ/m ²	
Charpy Unnotched Impact Strength (-20°C)	No Break		ISO 179/1eU

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	76.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	140	°C	ISO 306/A50
--	55.0	°C	ISO 306/B50

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