

Hifax CA 7271 A

Thermoplastic Polyolefin Elastomer

LyondellBasell Industries

Message:

Hifax CA 7271 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary Catalloy process technology. It is designed for injection molding controlled shrinkage applications (e.g. bumpers). Hifax CA 7271 A exhibits high melt flow rate with good impact/stiffness balance and reduced shrinkage. The grade is available in natural pellet form.

General Information			
Features	Good Dimensional Stability		
	Good Impact Resistance		
	High Flow		
	Low Shrinkage		
	Medium Rigidity		
Uses	Automotive Bumper		
	Outdoor Applications		
	Plastics Modification		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Compounding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR)	11	g/10 min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow	0.70	%	
Flow	0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	15.0	MPa	ISO 527-2
Tensile Strain (Break)	> 500	%	ISO 527-2
Flexural Modulus	800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (-20°C)	> 15	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	68.0	°C	ISO 75-2/B

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