

Hifax CA 12 A

Polypropylene
LyondellBasell Industries

Message:

Hifax CA 12 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary Catalloy process technology. It is suitable for industrial applications where a combination of good processability and excellent softness is required. Hifax CA 12 A exhibits low stiffness, low hardness and good impact resistance. The material shows high compatibility to other polyolefins as well as to other soft plastics. Hifax CA 12 A is cross linkable.

The grade is available in natural pellet form.

General Information			
Features	Crosslinkable		
	Good Chemical Resistance		
	Good Flexibility		
	Good Impact Resistance		
	High ESCR (Stress Crack Resist.)		
	Low Hardness		
	Low Temperature Impact Resistance		
	Medium Heat Resistance		
	Non-Toxic		
Uses	Automotive Applications		
	Automotive Exterior Parts		
	Automotive Instrument Panel		
	Bottles		
	Industrial Applications		
	Plastics Modification		
	Wire & Cable Applications		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Blow Molding		
	Calendering		
	Compounding Extrusion		
	Extrusion Blow Molding		
	Film Extrusion		
	Pipe Extrusion		
	Sheet Extrusion		
	Wire & Cable Extrusion		
Physical	Nominal Value	Unit	Test Method

Density	0.880	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	36		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	9.00	MPa	ISO 527-2
Tensile Strain (Break)	500	%	ISO 527-2
Flexural Modulus	330	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-20°C	70	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	50.0	°C	ISO 75-2/B
Vicat Softening Temperature	78.0	°C	ISO 306/A50
Melting Temperature	163	°C	Internal Method, ISO 11357-3

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