



Hifax CA 10 A

LyondellBasell Industries - Polyolefin

Tuesday, November 5, 2019

General Information

Product Description

Hifax CA 10 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell proprietary Catalloy process technology. It is suitable for industrial applications where a combination of good processability and excellent softness is required. It is widely used as building block resin for flexible water-proofing membranes.

Hifax CA 10 A exhibits low stiffness, low hardness and good impact resistance. The grade is available in natural pellet form.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Impact Resistance • Good Processability	• High ESCR (Stress Crack Resist.) • Low Hardness	• Medium Heat Resistance • Soft
Uses	• Automotive Applications • Automotive Interior Parts • Blown Film • Building Materials • Compounding • Construction Applications	• Film • Flooring • Geo Membranes • Industrial Applications • Membranes • Packaging	• Pipe Coatings • Plastics Modification • Profiles • Sheet • Wire & Cable Applications
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Blown Film • Calendering	• Compounding • Extrusion	• Thermoforming • Wire & Cable Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	0.880	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.60	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	1600	psi	ISO 527-2
Tensile Strain (Break)	500	%	ISO 527-2
Flexural Modulus	13100	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°F, Complete Break	2.4	ft·lb/in ²	
-4°F, Partial Break	52	ft·lb/in ²	
73°F	No Break		
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	30		ISO 868
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	104	°F	ISO 75-2/B
Vicat Softening Temperature	140	°F	ISO 306/A50
Melting Temperature	288	°F	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 45.0 mil)	85		ASTM D2457

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Notes

¹ Typical properties: these are not to be construed as specifications.