

Hifax CA7441A

Polyolefin
LyondellBasell Industries

Message:

Hifax CA 7441 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary Catalloy process technology. It is suitable for extrusion processes. It exhibits low stiffness, low hardness, combined with a high melting point and low fluidity. The grade is available in natural pellet form.

General Information			
Features	Good Dimensional Stability		
	Low Flow		
	Low Temperature Flexibility		
Uses	Plastics Modification		
	Wire & Cable Applications		
Forms	Pellets		
Processing Method	Compounding 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	28		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	> 11.0	MPa	ISO 527-2
Tensile Strain (Break)	> 500	%	ISO 527-2
Flexural Modulus	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-40°C	70	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	40.0	°C	ISO 75-2/B
Vicat Softening Temperature	57.0	°C	ISO 306/A50
Melting Temperature	160	°C	ISO 11357-3

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