

Hifax CA7441A

Advanced Polyolefin

Product Description

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. For regulatory compliance information see Hifax CA 7441 A Regulatory Affairs Product Stewardship Information/Certification Data Sheet (RAPIDS), which can be found on www.polymers.lyondellbasell.com.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Processing Methods	Extrusion Compounding, Extrusion Wire
Features	Good Dimensional Stability, Low Temperature Flexibility, Low Flow
Typical Customer Applications	Polymer modifier, Power cables, Wire & Cable

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	0.88	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	0.8	g/10 min
Mechanical			
Tensile Stress at Break	ISO 527-1, -2	>11	MPa
Tensile Strain at Break	ISO 527-1, -2	>500	%
Flexural modulus	ISO 178	100	MPa
Impact			
Notched izod impact strength (23 °C, Type 1, Notch A)	ISO 180	No Break	
(- 40°C, Type 1, Notch A)		70	kJ/m ²
Hardness			
Shore hardness (Shore D)	ISO 868	28	
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	40	°C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	57	°C
Melting temperature	DSC	160	°C
Note: ISO 11357-3			

Notes

Typical properties; not to be construed as specifications.

