



## 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](http://www.polymers.lyondellbasell.com).

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
<b>Processing Methods</b>	Extrusion Compounding, Extrusion Wire
<b>Features</b>	Good Dimensional Stability, Low Temperature Flexibility, Low Flow
<b>Typical Customer Applications</b>	Polymer modifier, Power cables, Wire & Cable

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density (Method A)	ISO 1183	0.88	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	0.8	g/10 min
<b>Mechanical</b>			
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
<b>Impact</b>			
Notched izod impact strength (23 °C, Type 1, Notch A)	ISO 180	No Break	
(- 40°C, Type 1, Notch A)		70	kJ/m <sup>2</sup>
<b>Hardness</b>			
Shore hardness (Shore D)	ISO 868	28	
<b>Thermal</b>			
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
<i>Note: ISO 11357-3</i>			

#### Notes

Typical properties; not to be construed as specifications.