

## Technical Data Sheet

### Hifax CA 7441 A



Catalloy

#### 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.

<b>Status</b>	Commercial: Active
<b>Availability</b>	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; South & Central America
<b>Application</b>	Polymer Modifier; Wire & Cable
<b>Market</b>	Electrical / Electronics; Wire & Cable
<b>Processing Method</b>	Compounding; Extrusion Flat-die; Wire & Cable
<b>Attribute</b>	Good Dimensional Stability; Low Flow; Low Temperature Flexibility

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	0.8	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	0.88	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	100	MPa	ISO 178
Tensile Stress at Break	12	MPa	ISO 527-1, -2
Tensile Strain at Break	500	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C)	NB	kJ/m <sup>2</sup>	ISO 179
(-20 °C)	NB	kJ/m <sup>2</sup>	ISO 179
(-40 °C)	8	kJ/m <sup>2</sup>	ISO 179
<b>Hardness</b>			
Shore Hardness, (Shore D)	30		ISO 868
<b>Thermal</b>			
Vicat Softening Temperature, (A/10 N)	56	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	40	°C	ISO 75B-1, -2
Melting Temperature	163	°C	ISO 11357-3