

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.

Application	Polymer Modifier; Wire & Cable
Market	Electrical / Electronics; Wire & Cable
Processing Method	Compounding; Extrusion Flat-die; Wire & Cable
Attribute	Good Dimensional Stability; Low Flow; Low Temperature Flexibility

Typical Properties	Nominal Value	Units	Test Method
Physical			
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 ³	ISO 1183-1
Mechanical			
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
Impact			
Charpy Impact Strength - Notched			
(23 °C)	NB	kJ/m ²	ISO 179
(-20 °C)	NB	kJ/m ²	ISO 179
(-40 °C)	8	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore D)	30		ISO 868
Thermal			
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

