Technical Data Sheet

Hifax CA 7201 A

Catalloy

Product Description

Hifax CA 7201 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary *Catalloy* process technology.
It is primarily used for bumper and interior/exterior trim applications in Automotive. It has a very high impact performance, reduced shrinkage and a very good paintability. The material also has a high level of processability. The grade is available in natural pellet form.

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
Application	Bumpers; Exterior Automotive Applications; Exterior Trim; Interior Automotive Applications; Polymer Modifier
Market	Automotive; Compounding
Processing Method	Compounding; Injection Molding
Attribute	Good Adhesion; Good Dimensional Stability; Good Processability; Good Stiffness; High Impact Resistance; Paintable

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	11	g/10 min	ISO 1133-1
Density	0.89	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	750	MPa	ISO 178
Tensile Stress at Break	16	MPa	ISO 527-1, -2
Tensile Stress at Yield	17	MPa	ASTM D638
Tensile Strain at Break	>500	%	ISO 527-1, -2
Tensile Strain at Yield	13	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	50	kJ/m²	ISO 179
(-20 °C)	45	kJ/m²	ISO 179
(-40 °C)	10	kJ/m²	ISO 179
Multi-axial Impact Strength, (-30 °C, 2.2 m/s, 3.2 mm plaque)	23.9	J	ASTM D3763
Thermal			
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	65	°C	ISO 75B-1, -2
DSC Melting Point	163	°C	ISO 11357-3