Technical Data Sheet

Hiflex CA 7600 A

Catalloy

Product Description

Hiflex CA 7600 A is a reactor soft thermoplastic polyolefin (TPO) , manufactured using the LyondellBasell proprietary *Catalloy* process technology and is stabilized with a standard additive package. The grade is available in natural colored pellet form. *Hiflex* CA 7600 A is designed for use in injection molding or extrusion compounds when high processability, optimum mechanical and dimensional stability, are key properties. Thanks to its tailored elastomeric phase, *Hiflex* CA 7600 A features high softness and high toughness at very low temperature and provide high thermal characteristics. *Hiflex* CA 7600 A is used as a blending partner to improve the overall performances of esthetical interior and exterior automotive parts. *Hiflex* CA 7600 A provides high filler loading capability and is highly compatible with a wide range of polyolefins and soft plastics. This grade can be either blended or co-extruded with other materials to provide the required property balance.

Application	Exterior Automotive Applications; Impact Modification
Processing Method	Compounding; Injection Molding
Attribute	Good Dimensional Stability; Good Processability; Haptics; High Filler Loading Capability; Low Temperature Impact Resistance; Matte; Scratch Resistant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	2.0	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	0.88	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	180	MPa	ISO 178
Tensile Stress at Break	11	MPa	ISO 527-1, -2
Tensile Strain at Break	600	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	NB	kJ/m²	ISO 179
(-20 °C)	NB	kJ/m²	ISO 179
(-40 °C)	110	kJ/m²	ISO 179
Hardness			
Shore Hardness, (Shore D)	26		ISO 868
Thermal			
Vicat Softening Temperature, (A/10 N)	58	°C	ISO 306

Heat Deflection Temperature B, (0.45 MPa, Unannealed)	45	°C	ISO 75B-1, -2
Melting Temperature	163	°C	ISO 11357-3

Notes

These are typical property values not to be construed as specification limits.