



Hiflex CA 7600 A

Advanced Polyolefin

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.

For regulatory information please refer to Hiflex CA 7600 A Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Development
Test Method used	ISO
Availability	Europe, North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Methods	Extrusion Compounding, Injection Molding
Features	Good Dimensional Stability, High Filler Loading Capability, Low Temperature Impact Resistance, Good Processability, Scratch Resistant
Typical Customer Applications	Exterior Applications, Impact modification

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	0.89	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	2.0	g/10 min
Mechanical			
Tensile Stress at Break	ISO 527-1, -2	11	MPa
Tensile Strain at Break	ISO 527-1, -2	>550	%
Flexural modulus	ISO 178	180	MPa
Impact			
Charpy notched impact strength (-40 °C, Type 1, Notch A, Partial Break)	ISO 179	118	kJ/m ²
Hardness			
Shore hardness (Shore D)	ISO 868	26	
Thermal			
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	60	°C
Melting temperature	DSC	163	°C
<i>Note: ISO 11357-3</i>			

Tg (DMTA)

Internal Method -46

°C

Notes

Typical properties; not to be construed as specifications.