Hiflex CA 7600 A

Thermoplastic Polyolefin Elastomer

LyondellBasell Industries

Message:

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).

General Information	
Additive	Unspecified additive
Features	Good dimensional stability Workability, good Low temperature impact resistance Scratch resistance Good toughness Soft
Uses	Composite Mixing Application in Automobile Field Car interior parts Automotive exterior parts
Appearance	Natural color
Forms	Particle
Processing Method	Composite Co-extrusion molding Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.880	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	26		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	11.0	MPa	ISO 527-2

Tensile Strain (Break)	600	%	ISO 527-2
Flexural Modulus	180	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	110	kJ/m^2	ISO 179/1eA
-20°C	No Break		ISO 179/1eA
23°C	No Break		ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	45.0	°C	ISO 75-2/B
Vicat Softening Temperature	58.0	°C	ISO 306/A50
Melting Temperature	163	°C	ISO 11357-3

Recommended distributors for this material

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