

Technical Data Sheet

Hifax CA60A NA 598F ANTHRACITE



Catalloy

Product Description

Hifax CA60A NA 598F ANTHRACITE is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary *Catalloy* process technology.

It has been developed for industrial applications where a combination of good processability and excellent softness is required. Due to the high fluidity, *Hifax* CA60A NA 598F ANTHRACITE shows high compatibility to fillers and to flame retardant additives as well as to other polyolefins.

Regulatory Status

For regulatory compliance information, see *Hifax* CA60A NA 598F ANTHRACITE [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Application	Polymer Modifier; Single Ply Roofing; TPO Foils and Skins; TPO Residential Flooring
Market	Automotive; Industrial, Building & Construction
Processing Method	Calendering; Compounding; Extrusion Coating; Injection Molding; Sheet
Attribute	Good Flexibility; Good Processability; High Filler Loading Capability; High Flow; High Impact Resistance; Soft

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	14	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	0.89	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus, (23 °C)	150	MPa	ISO 527-1, -2
Tensile Stress at Break, (23 °C)	7.5	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	600	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	NB	kJ/m ²	ISO 179
(-30 °C)	NB	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore A)	95		ISO 868
Thermal			
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	40	°C	ISO 75B-1, -2

Notes

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

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Recipient Tracking #:
Request #: 910432

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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- (i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
- (ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
- (iii) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
- (iv) tobacco related products and applications, electronic cigarettes and similar devices.
- (v) safety components in automotive applications, for example: air bags, air bag unit housings and covers, seat belt mechanisms, brake systems, pedals and pedal supports, steering systems.

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- (i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices;
- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

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