

## Technical Data Sheet

### *Hifax* CA60A NA 848 BLACK



Catalloy

#### Product Description

*Hifax* CA60A NA 848 BLACK 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 848 BLACK 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 848 BLACK [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

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

| Typical Properties                                        | Nominal Value | Units             | Test Method   |
|-----------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                           |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                          | 14            | g/10 min          | ISO 1133-1    |
| Density, (23 °C, Method A)                                | 0.89          | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                                         |               |                   |               |
| 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 |
| <b>Impact</b>                                             |               |                   |               |
| Charpy Impact Strength - Notched                          |               |                   |               |
| (23 °C)                                                   | NB            | kJ/m <sup>2</sup> | ISO 179       |
| (-30 °C)                                                  | NB            | kJ/m <sup>2</sup> | ISO 179       |
| <b>Hardness</b>                                           |               |                   |               |
| Shore Hardness, (Shore A)                                 | 95            |                   | ISO 868       |
| <b>Thermal</b>                                            |               |                   |               |
| 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.

LyondellBasell  
Technical Data Sheet  
Date: 7/25/2017

Page 1 of 3

*Hifax* CA60A NA 848 BLACK  
Recipient Tracking #:  
Request #: 909247

## 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/>.

© LyondellBasell Industries Holdings, B.V. 2017

## Disclaimer

Before using a product sold by a company of the LyondellBasell family of companies, users should make their own independent determination that the product is suitable for the intended use and can be used safely and legally.

SELLER MAKES NO WARRANTY; EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY WARRANTY) OTHER THAN AS SEPARATELY AGREED TO BY THE PARTIES IN A CONTRACT.

Users should review the applicable Safety Data Sheet before handling the product.

This product(s) may not be used in the manufacture of any of the following, without prior written approval by Seller for each specific product and application:

- (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.

The product(s) may not be used in:

- (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.

All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

In addition to the above, LyondellBasell may further prohibit or restrict the use of its products in certain applications. For further information, please contact a LyondellBasell representative.

## Trademarks

*Adflex, Adstif, Adsyl, Akoafloor, Akoalit, Alastian, Alathon, Alkylate, Amazing Chemistry, Aquamarine, Aquathene, Avant, Catalloy, Clyrell, CRP, Crystex, Dexflex, Duopac, Duoprime, Explore & Experiment, Filmex, Flexathene, Fueling the power to win, Glacido, Hifax, Hiflex, Histif, Hostacom, Hostalen, Hyperzone, Ideal, Indure, Integrate, Koattro, LIPP, Lucalen, Luflexen, Lupolen, Luposim, Lupostress, Lupotech, Metocene, Microthene, Moplen, MPDIOL, Nerolex, Nexprene, Petrothene, Plexar, Polymeg, Pristene, Prodflex, Pro-fax, Punctilious, Purell, Refax, SAA100, SAA101, Sequel, Softell, Spherilene, Spheripol, Spherizone, Starflex, Stretchene, Superflex, TBAC, Tebol, T-Hydro, Toppyl, Trans4m, Tufflo, Ultrathene, Vacido and Valtec* are trademarks owned and/or used by the LyondellBasell family of companies.

*Adsyl, Akoafloor, Akoalit, Alastian, Alathon, Aquamarine, Avant, CRP, Crystex, Dexflex, Duopac, Duoprime, Explore & Experiment, Filmex, Flexathene, Hifax, Hostacom, Hostalen, Ideal, Integrate, Koattro, Lucalen, Lupolen, Metocene, Microthene, Moplen, MPDIOL, Nexprene, Petrothene, Plexar, Polymeg, Pristene, Pro-fax, Punctilious, Purell, Sequel, Softell, Spheripol, Spherizone, Starflex, Tebol, T-Hydro, Toppyl, Tufflo and Ultrathene* are registered in the U.S. Patent and Trademark Office.