



Hifax HSBMCB1158ACLS / 2

Compounded Polyolefin

Product Description

Hifax HSBMCB1158ACLS/2 high melt flow, 1,200 MPa flexural modulus, mineral filled thermoplastic elastomeric olefin (TEO) resin has a unique balance of flow, rigidity, low temperature impact resistance, dimensional stability and paintability. It was designed for thin-walled bumper fascia applications that require high paint durability.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Method	Injection Molding
Features	Good Dimensional Stability, Good Flow, High Impact Resistance , Low Temperature Impact Resistance, Good Moldability , Paintable, Good Stiffness
Typical Customer Applications	Exterior Applications, Bumpers

Typical Properties	Method	Value Unit
Physical		
Density	ISO 1183	0.97 g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	22 g/10 min
<i>Note: Alternative test method is ASTM D 1238-01.</i>		
Mechanical		
Tensile Stress at Yield	ISO 527-1, -2	18 MPa
Tensile Strain at Yield	ISO 527-1, -2	10 %
Flexural modulus	ISO 178	1200 MPa
Impact		
Notched izod impact strength	ISO 180	
(23 °C)		47 kJ/m ²
(-40 °C)		4.0 kJ/m ²
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	85 °C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	57 °C
CLTE, Flow	ISO 11359-1, -2	6.3 x 10 ⁻⁵ cm/cm/°C
<i>Note: Determined over a temperature range of -30°C to 100°C. Alternative test method is ASTM E 228-95.</i>		
Additional Information		
Mold shrinkage	ISO 294-4	
<i>Note: Please contact Basell for shrinkage recommendations.</i>		

Notes

Typical properties; not to be construed as specifications.

© LyondellBasell Industries Holdings, B.V. 2012

LyondellBasell markets this product through the following entities:

- 1 Equistar Chemicals, LP
- 1 Basell Sales & Marketing Company B.V.
- 1 Basell Asia Pacific Limited
- 1 Basell International Trading FZE
- 1 LyondellBasell Australia Pty Ltd

For the contact details of the LyondellBasell company selling this product in your country, please visit <http://www.lyondellbasell.com/>.

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.

This product(s) may not be used in:

- (i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I medical devices, without prior notification to Seller for each specific product and application; or
- (ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: U.S. FDA Class II medical devices; Health Canada Class II or III medical devices; European Union Class II medical devices; or any equivalent U.S. FDA, Health Canada, or European Union regulations pertaining to medical devices; packaging in direct contact with a

pharmaceutical active ingredient and/or dosage form; and tobacco-related products and applications. This product(s) may not be used in the manufacture of any of the following applications: U.S. FDA Class III medical devices; Health Canada Class IV medical devices; European Class III medical devices; applications involving permanent implantation into the body; life-sustaining medical applications; and lead, asbestos or MTBE related applications. All references to the U.S. FDA, Health Canada and European Union regulations include another country's equivalent regulatory classification.

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

Addhere, Adflex, Adstif, Adsyl, Akoafloor, Akoalit, Alathon, Alkylate, Amazing Chemistry, Aquamarine, Aquathene, Arconate, Arcopure, Arcosolv, Arctic Plus, Arctic Shield, Avant, Catalloy, Clyrell, CRP, Crystex, Dextrflex, Duopac, Duoprime, Explore & Experiment, Filmex, Flexathene, Glacido, Hifax, Histif, Hostacom, Hostalen, Ideal, Integrate, Koattro, LIPP, Lucalen, Luflexen, Lupolen, Lupolex, Luposim, Lupostress, Lupotech, Metocene, Microthene, Moplen, MPDIOL, Nerolex, Nexprene, Petrothene, Plexar, Polymeg, Pristene, Proflex, Pro-Fax, Punctilious, Purell, SAA100, SAA101, Sequel, Softell, Spherilene, Spheripol, Spherizone, Starflex, Stretchene, Superflex, TBAC, Tebol, T-Hydro, Toppyl, Trans4m, Tufflo, Ultrathene, Vacido and Valtec are trademarks owned or used by the LyondellBasell family of companies.

Adsyl, Akoafloor, Akoalit, Alathon, Aquamarine, Arconate, Arcopure, Arcosolv, Arctic Plus, Arctic Shield, Avant, CRP, Crystex, Dextrflex, Duopac, Duoprime, Explore & Experiment, Filmex, Flexathene, Hifax, Hostacom, Hostalen, Ideal, Integrate, Koattro, Lucalen, Lupolen, Microthene, Moplen, MPDIOL, Nexprene, Petrothene, Plexar, Polymeg, Pristene, Pro-Fax, Punctilious, Purell, Sequel, Softell, Spheripol, Spherizone, Starflex, Stretchene, Superflex, TBAC, Tebol, T-Hydro, Toppyl, Tufflo and Ultrathene are registered in the U.S. Patent and Trademark Office.

Release Date: 30 Oct 2007