lyondellbasell

Hifax AA56H

Compounded Polyolefin

Product Description

Hifax AA56H medium high melt flow, 1,400 MPa flexural modulus, UL 94 V-2 flame retardant polypropylene homopolymer resin has an excellent combination of properties and processability. It was designed for applications that require flame and heat resistance, along with good electrical properties and surface quality.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Methods	Injection Molding
Features	Good Colorability, Good Corrosion Resistance, Good Electrical Properties, Flame Retardant, Good Flow, High Heat Resistance , Homopolymer, Good Processability, Good Surface Finish
Typical Customer Applications	Appliances, Hair Dryers, Shavers and Steam Irons, Housewares

Typical Properties	Method	Value Unit
Physical		
Density -Specific Gravity	ASTM D 792	0.93 g/cm³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	12 g/10 min
Mechanical		
Flexural Modulus	ASTM D 790	1400 MPa
Tensile Strength @ Yield	ASTM D 638	32 MPa
Tensile Elongation @ Brk	ASTM D 638	250 %
Impact		
Notched Izod Impact (23 °C)	ASTM D 256	69 J/m
Hardness		
Rockwell Hardness (R-Scale)	ASTM D 785	97
Thermal		
DTUL @66psi - Unannealed	ASTM D 648	104 °C
Electrical		
Dielectric strength	ASTM D 149	1090 V/mil
Volume Resistivity	ASTM D 257	7.6E+016 ohm-cm
Arc resistance	ASTM D 495	88
Additional Information		
Mold shrink, Linear-Flow	ASTM D 955	1.7 %
Note: Ater 48 hrs at 23°C (Tool).		
Limiting Oxygen Index	ASTM D 2863	26 %

Additional Properties

Note: Mold shrinkage values are determined on laboratory injection molded 100 mm x 150 mm x 3.2 mm plaques and, as such, are not necessarily representative of actual field data. Since, for example, wall thickness, gate type and location, flow length and paint oven temperature affect final part dimensions, it is recommended that you contact your Basell representative before any tools are cut.

Notes

Typical properties; not to be construed as specifications.

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 Class III Medical Devices; European Union Class II Medical Devices; film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices; 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; and tobacco related products and applications. Additionally, 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; and (iv) lead, asbestos or MTBE related applications. All references to 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.

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