

Hifax X 1956 A

Advanced Polyolefin

Product Description

Hifax X 1956 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell`s proprietary Catalloy process technology. This grade is primarily used in polyolefin-based compounds to improve mechanical properties and enhance moulded part appearance.

in particular, the product is used by our customers for providing tiger stripe resistance and improved aesthetics for unpainted automotive components.

The grade is available in natural pellet form.

For regulatory compliance information see Hifax X 1956 A Product Stewardship Bulletin (PSB).

Product Characteristics

Status Commercial: Active

Test Method used ISC

Availability Europe, North America, Asia-Pacific, Australia/NZ, Africa-

Middle East, Latin America

Processing Methods Extrusion Compounding, Extrusion Flat-die,

Calandering, Extrusion Thermoforming, Injection

Molding

Features Good Colorability, High Elongation, Good Flexibility, Low

Flow , Good Impact Resistance , High Tensile Strength

Typical Customer Applications Exterior Applications, Panels & Profiles, Polymer

modifier, TPO Skins

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.89	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	1.2	g/10 min
Note: Alternative test method is ASTM D 1238-01.			
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	20	MPa
Tensile Strain at Break	ISO 527-1, -2	> 500	%
Tensile Strain at Yield	ISO 527-1, -2	> 10	%
Flexural modulus	ISO 178	850	MPa
Impact			
Notched izod impact strength	ISO 180		
(- 40°C, Type 1, Notch A)		5	kJ/m²
(23°C, Type 1, Notch A)		75	kJ/m²
(- 20 °C, Type 1, Notch A)		40	kJ/m²
Hardness			
Shore hardness (Shore D)	ISO 868	65	
Note: 15 seconds			
Thermal			
Vicat softening temperature (A50 (50 °C/h 10 N))	ISO 306	148	°C
Melting temperature	DSC	163	°C
Note: ISO 11357-3			

Additional Properties

Tear Strength (Graves, Die C, 50mm/min), ASTM D 624, Load/Width @ Max Load: 67 N/mm

Notes

Typical properties; not to be construed as specifications.

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LyondellBasell markets this product through the following entities:

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

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

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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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