



Hifax X M2 U16

Compounded Polyolefin

Product Description

Hifax X M2 U16 is a 20% mineral filled, polypropylene grade for injection molding. The grade features very high stiffness and good scratch resistance. The grade has good UV resistance designed for outdoor applications. Typical customer applications are cowl vent grills. The grade is available in coloured, pellet form.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Asia-Pacific, Africa-Middle East, Latin America
Features	Homopolymer
Typical Customer Applications	Exterior Applications

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	1.05	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	12	g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	14.0	cm ³ /10min
Mechanical			
Tensile Modulus (Secant)	ISO 527-1, -2	2750	MPa
Tensile Stress at Break (50 mm/min)	ISO 527-1, -2	26.0	MPa
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	32.0	MPa
Tensile Strain at Break (50 mm/min)	ISO 527-1, -2	24	%
Tensile Strain at Yield (50 mm/min)	ISO 527-1, -2	5.5	%
Flexural modulus (Secant)	ISO 178	2900	MPa
Impact			
Charpy unnotched impact strength (23 °C, Type 1, Edgewise)	ISO 179	34.0	kJ/m ²
Charpy notched impact strength (23 °C, Type 1, Edgewise, Notch A, Complete Break)	ISO 179	3.00	kJ/m ²
Hardness			
Ball indentation hardness (H 358/30)	ISO 2039-1	71.0	MPa
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	120	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	66.0	°C

Notes

Typical properties; not to be construed as specifications.

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- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
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Users should review the applicable Material Safety Data Sheet before handling the product.

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Release Date: 24 Mar 2014