



Hifax CA45F

Compounded Polyolefin

Product Description

Hifax CA45F medium melt flow, 820 MPa flexural modulus, reactor grade thermoplastic elastomeric olefin (TEO) resin has a very good balance of properties and excellent moldability. It was designed primarily for molded-in color automotive exterior components and is based on material from Basell's Spheripol process.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	North America
Processing Method	Injection Molding
Features	Pleasing Surface Appearance, Medium Flow, Good Moldability , Good Processability, Good UV Resistance
Typical Customer Applications	Exterior Applications

Typical Properties	Method	Value Unit
Physical		
Density	ISO 1183	0.89 g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	9 g/10 min
<i>Note: Alternative test method is ASTM D 1238-01.</i>		
Mechanical		
Tensile Stress at Yield	ISO 527-1, -2	16 MPa
Tensile Strain at Yield	ISO 527-1, -2	8 %
Flexural modulus	ISO 178	820 MPa
Impact		
Notched izod impact strength	ISO 180	
(23 °C)		50 kJ/m ²
(-40 °C)		7.0 kJ/m ²
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	63 °C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	43 °C
CLTE, Flow	ISO 11359-1, -2	10 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 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.

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- 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

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

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