



Hifax CB259

Compounded Polyolefin

Product Description

Hifax CB259 medium high melt flow, 1,600 MPa flexural modulus, low CLTE, paintable, mineral-filled thermoplastic elastomeric olefin (TEO) resin has a very good balance of impact resistance, rigidity and dimensional stability. It was designed for exterior ornamentation applications requiring stiffness and low thermal expansion characteristics.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	North America
Processing Method	Injection Molding
Features	Good Dimensional Stability, Medium Flow, Good Impact Resistance , Paintable, High Rigidity , Low Shrinkage
Typical Customer Applications	Exterior Applications

Typical Properties	Method	Value Unit
Physical		
Density	ISO 1183	1.10 g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	13 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 Break (23 °C, 50 mm/min)	ISO 527-1, -2	400 %
Tensile Strain at Yield	ISO 527-1, -2	8 %
Flexural modulus	ISO 178	1600 MPa
Impact		
Notched izod impact strength (23 °C)	ISO 180	33 kJ/m ²
(-40 °C)		3.0 kJ/m ²
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	94 °C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	53 °C
CLTE, Flow	ISO 11359-1, -2	4.9 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.

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- ┆ 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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