



Hifax CB 40 A

Compounded Polyolefin

Product Description

"Hifax" CB 40 A is a medium flow, 10% mineral filled high impact polypropylene copolymer suitable for injection moulding. The grade has been specifically designed for moulding large complex parts that require high impact strength as well as good stiffness. It features excellent paint adhesion and low thermal expansion. This grade is available in custom colour, pellet form.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Method	Injection Molding
Features	Impact Copolymer, Medium Flow, High Impact Resistance , Good Stiffness
Typical Customer Applications	Exterior Applications, Bumpers, Automotive Parts

Typical Properties	Method	Value Unit
Physical		
Density (Method A)	ISO 1183	1.00 g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	13 g/10 min
Mechanical		
Tensile Stress at Yield	ISO 527-1, -2	15.0 MPa
Tensile Strain at Break	ISO 527-1, -2	120 %
Flexural modulus	ISO 178	1000 MPa
Impact		
Notched izod impact strength	ISO 180	
(-40 °C, Type 1, Notch A)		9.30 kJ/m ²
(-20 °C, Type 1, Notch A)		6.90 kJ/m ²
(23 °C, Type 1, Notch A)		No Break kJ/m ²
Hardness		
Shore hardness (Shore D)	ISO 868	55
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	85.0 °C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	48.0 °C
Vicat softening temperature (B50 (50°C/h 50N))	ISO 306	40.0 °C

Additional Properties

CLTE, Basell Test Method: 13.1e-5 1/K

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
- ┆ Basell International Trading FZE
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Users should review the applicable Material Safety Data Sheet before handling the product.

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