



Hifax CB 1143 G

Compounded Polyolefin

Product Description

"Hifax" CB 1143 G is a medium flow, 15% mineral filled, UV stabilised, high impact polypropylene copolymer suitable for injection moulding. The grade has been specifically designed for moulding large complex parts that require a high impact strength as well as a good stiffness. .
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
Features	Impact Copolymer, Medium Flow, High Impact Resistance , Good Stiffness , Non Toxic
Typical Customer Applications	Exterior Applications, Bumpers, Automotive Parts

Typical Properties	Method	Value Unit
Physical		
Density (Method A)	ISO 1183	0.98 g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	15 g/10 min
Mechanical		
Tensile Stress at Yield	ISO 527-1, -2	17 MPa
Tensile Strain at Break	ISO 527-1, -2	60 %
Flexural modulus	ISO 178	1500 MPa
Impact		
Charpy notched impact strength	ISO 179	
(23 °C, Type 1, Edgewise, Notch A)		30 kJ/m²
(-30 °C, Type 1, Edgewise, Notch A)		5 kJ/m²
Notched izod impact strength	ISO 180	
(23 °C, Type 1, Notch A)		25 kJ/m²
(-20 °C, Type 1, Notch A)		5 kJ/m²
(-30 °C, Type 1, Notch A)		4.2 kJ/m²
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	101 °C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	130 °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
- ┆ Basell International Trading FZE
- ┆ 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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