



Hifax DBF 190 D

Compounded Polyolefin

Product Description

Hifax DBF 190 D is an flexible non halogenated flame retardant compound developed for wire and cable jacketing/shielding isolation based on grades produced by Basell's proprietary Catalloy technology. The grade is designed for an excellent balance of mechanical properties and for a good thermal aging resistance by providing good electrical properties. Hifax DBF 190 D contains metal desactivators for use with metall conductors. It is used by our customers for the production of low voltage cables. The material is available in natural pellet form.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Features	Copolymer, Flame Retardant, Good Flexibility, Good Heat Aging Resistance, Good Thermal Aging Resistance, Low Temperature Flexibility
Typical Customer Applications	Wire & Cable

Typical Properties	Method	Value Unit
Physical		
Density (Method A)	ISO 1183	1.2 g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	1.1 g/10 min
Mechanical		
Tensile Stress at Break (23 °C, 50 mm/min)	ISO 527-1, -2	11 MPa
Tensile Stress at Yield (1 mm, 23 °C, 50 mm/min)	ISO 527-1, -2	8 MPa
Tensile Strain at Break (1 mm, 23 °C, 50 mm/min)	ISO 527-1, -2	400 %
Tensile Strain at Yield (23 °C, 50 mm/min)	ISO 527-1, -2	15 %
Flexural modulus	ISO 178	350 MPa
Hardness		
Shore hardness (Shore D)	ISO 868	41
Thermal		
Vicat softening temperature (A50, 9.81 N)	ISO 306	80 °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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Release Date: 02 Aug 2005