



Hifax DBS 189 D

Compounded Polyolefin

Product Description

Hifax DBS 189 D is an flexible compound developed for wire and cable primary 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 DBS 189 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, 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	0.9 g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	1.5 g/10 min
Mechanical		
Tensile Stress at Break (23 °C, 50 mm/min)	ISO 527-1, -2	10 MPa
Tensile Stress at Yield (1 mm, 23 °C, 50 mm/min)	ISO 527-1, -2	10 MPa
Tensile Strain at Break (1 mm, 23 °C, 50 mm/min)	ISO 527-1, -2	450 %
Tensile Strain at Yield (23 °C, 50 mm/min)	ISO 527-1, -2	35 %
Flexural modulus	ISO 178	250 MPa
Hardness		
Shore hardness (Shore D)	ISO 868	46
Thermal		
Vicat softening temperature (A50, 9.81 N)	ISO 306	90 °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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