

Hifax DBS 189 D

Polyolefin
LyondellBasell Industries

Message:

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 metal conductors. It is used by our customers for the production of low voltage cables. The material is available in natural pellet form.

General Information			
Additive	Metal Deactivator		
Features	Copolymer		
	Good Electrical Properties		
	Good Flexibility		
	Good Heat Aging Resistance		
	Good Thermal Aging Resistance		
	Low Temperature Flexibility		
Uses	Low Voltage Insulation		
	Wire & Cable Applications		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	46		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield, 23°C, 1.00 mm	10.0	MPa	
Break, 23°C	10.0	MPa	
Tensile Strain			ISO 527-2/50
Yield, 23°C	35	%	
Break, 23°C, 1.00 mm	450	%	
Flexural Modulus	250	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	90.0	°C	ISO 306/A50

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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