

INEOS Wire & Cable BPD2000

Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

BPD2000 is an unstabilised and clean low density polyethylene.

Applications

BPD2000 is designed for use in Medium voltage (MV) power cables insulation using the Direct Peroxide Injection (DPI) process.

For insulation of cables of higher voltage, it is recommended to use our grade BPD2000E, please refer to corresponding datasheet.

General Information			
Features	Clean/High Purity		
	Crosslinkable		
	Low Density		
Uses	Medium Voltage Insulation		
	Wire & Cable Applications		
Agency Ratings	CENELEC HD 620 S2:2010		
	IEC 60502		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Wire & Cable Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.923	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	18.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	> 500	%	ISO 527-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	> 1.0E+15	ohms · cm	ASTM D257
Dielectric Strength ¹	> 22	kV/mm	ASTM D149
Dielectric Constant (50 Hz)	2.30		ASTM D150
Dissipation Factor (50 Hz)	3.0E-4		ASTM D150
Extrusion	Nominal Value	Unit	
Melt Temperature	135 to 145	°C	
NOTE			
1.	Method A (Short-Time)		

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