

INEOS Wire & Cable BPD2000E

Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

BPD2000E is an unstabilised and clean low density polyethylene.

Applications

BPD2000E is designed for use in Medium/High Voltage (MV/HV) power cables insulation using the direct peroxide injection (DPI) process and applications requesting extra cleanliness.

Suitability of BPD2000E for insulation of HV cables and voltage limitation depend on experience acquired and validations undergone by the cable manufacturer.

General Information			
Features	Clean/High Purity		
	Low Density		
Uses	High Voltage Insulation		
	Medium Voltage Insulation		
	Wire & Cable Applications		
Agency Ratings	CENELEC HD 620 S2:2010		
	IEC 60502		
	IEC 60840		
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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