

INEOS Wire & Cable BPD8063

Low Density Polyethylene
INEOS Olefins & Polymers Europe

Message:

BPD 8063 is a low density polyethylene compound having low dielectric loss properties meeting the needs of many coaxial and control cable applications. It contains a non staining antioxidant.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
Uses	Wire & Cable Applications		
Agency Ratings	ASTM D 1248, I, Class A, Cat. 3, Grade E4		
	ISO 1872 PE KN 23D022		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.5	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (100% Igepal, F20)	> 48.0	hr	IEC 60811-4-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	12.0	MPa	IEC 60811-1-1
Tensile Strain (Break)	500	%	IEC 60811-1-1
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-75.0	°C	ISO 974
Oxidation Induction Time ¹ (200°C)	20	min	Internal Method
Dielectric Loss Angle ²	50.0	μrad	ASTM D1531
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	> 1.0E+14	ohms · cm	ASTM D257
Dielectric Strength ³	22	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	2.28		ASTM D1531
Extrusion	Nominal Value	Unit	
Melt Temperature	200 to 250	°C	
NOTE			
1.	SPT 005, Aluminum Pan		
2.	1 MHz		
3.	Method A (Short-Time)		

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