

Petrothene® NA960080

Low Density Polyethylene
LyondellBasell Industries

Message:

PETROTHENE NA960080 is a natural low density polyethylene resin formulated for use as primary insulation for coaxial and control cable applications.

General Information			
Uses	Insulation		
	Wire & Cable Applications		
Agency Ratings	ASTM D 1248, I, Class A, Cat. 4, Grade E4		
	FED L-P-390C, Type II, Class L, Category 4, Grade 1		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	13.8	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	92.0	°C	ASTM D1525
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	7.9E+15	ohms · cm	ASTM D257
Dielectric Constant (1 MHz)	2.27		ASTM D1531
Dissipation Factor			ASTM D1531
1 MHz	7.0E-5		
2.00 GHz	6.0E-5		

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