

HANWHA CLNA-8262

Linear Low Density Polyethylene

Hanwha Chemical

Message:

Hanwha CLNA-8262 is a linear low density polyethylene(LLDPE) produced by the UNIPOL process. It can be used as base resin of silane crosslinked low voltage cable insulation by Monosil, Dry silane and Siloxene process. It offers excellent scorch stability and cure property. It contains controlled amount of antioxidant.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Crosslinkable		
Uses	Low Voltage Insulation		
	Wire & Cable Applications		
Agency Ratings	ASTM D 1248, I, Class A, Cat. 3, Grade E4		
	ASTM D 1248, I, Class A, Cat. 3, Grade E5		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.6	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 10% Igepal, F0)	> 2000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 1 sec)	53		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	17.7	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (135°C, 168 hr)	< -10	%	ASTM D638
Change in Ultimate Elongation in Air (135°C, 168 hr)	< -10	%	ASTM D638
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+16	ohms · cm	ASTM D257
Dielectric Strength	> 20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	< 2.30		ASTM D150
Dissipation Factor (1 MHz)	< 4.0E-4		ASTM D150
Additional Information	Nominal Value	Unit	Test Method

Hot Elongation ¹	< 90	%	IEC 60502
Set ²	< 4.0	%	IEC 60502
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 220	°C	
NOTE			
1.	silane = 0.8 phr		
2.	silane = 0.8 phr		

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