

SABIC 324CN Linear Low Density Polyethylene for Wire & Cable

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE

Material Notes:

Product Description: 324CN is a Linear Low Density Polyethylene natural resin for wire and cable applications. It contains a low level of antioxidants and does not contain any slip or antiblock additives. Sufficient antioxidant and Cu-inhibitor should be added to meet specific ageing requirements. For jacketing applications, addition of Carbon Black or UV stabilizer is required. **Typical Applications:** One-step or two-step Silane cross-linkable insulation for Low Voltage power insulation cable, Aerial bundle cable, also suitable for telecommunication and Low Voltage power cable jacketing. Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-324CN-Linear-Low-Density-Polyethylene-for-Wire-Cable.php

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in ³	load density; ASTM D1505
Melt Flow	3.6 g/10 min	3.6 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	53	53	ASTM D2240
Tensile Strength at Break	18.0 MPa	2610 psi	ASTM D638
Tensile Strength, Yield	11.0 MPa	1600 psi	ASTM D638
Elongation at Break	600 %	600 %	ASTM D638
Elongation at Yield	14 %	14 %	ASTM D638
1% Secant Modulus	225 MPa	32600 psi	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	121 °C	250 °F	Peak; SABIC Method

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.40e+18 ohm-cm	1.40e+18 ohm-cm	at 500 V; ASTM D257
Dielectric Constant	2.28	2.28	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	37.0 kV/mm	940 kV/in	1000 V/sec; ASTM D149
	0.00043	0.00043	

Designation Factor	Metric	English	ASTM D150
Electrical Properties	@ Frequency 1000 Hz	@ Frequency 1000 Hz	Comments

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China