

LyondellBasell Lupolen® 3412 D LDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Wire/Cable Grade

Material Notes:

Telephone cable insulation Data was collected by ISO methods and originally provided by BASF. The Lupolen® product line is now produced by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Lupolen-3412-D-LDPE.php

Physical Properties	Metric	English	Comments
Water Absorption	0.010 %	0.010 %	
Moisture Absorption at Equilibrium	0.010 %	0.010 %	

Mechanical Properties	Metric	English	Comments
Elongation at Break	>= 50 %	>= 50 %	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	180 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 20.0 $\text{Å}^\circ\text{C}$	100 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 68.0 $\text{Å}^\circ\text{F}$	
Melting Point	114 $\text{Å}^\circ\text{C}$	237 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 0.46 MPa (66 psi)	45.0 $\text{Å}^\circ\text{C}$	113 $\text{Å}^\circ\text{F}$	
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	
Oxygen Index	17 %	17 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	
Dielectric Constant	2.3 @Frequency 100 Hz	2.3 @Frequency 100 Hz	
	2.3 @Frequency 1e+6 Hz	2.3 @Frequency 1e+6 Hz	
	0.00020	0.00020	

Electrical Properties	Metric @ Frequency 100 Hz	English @ Frequency 100 Hz	Comments
Comparative Tracking Index	600 V	600 V	

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