

LG Chemical LUTENE LB4500 LDPE Extrusion Coating

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Extrusion Grade

Material Notes:

Description: LUTENE LB4500 is mainly intended for extrusion coating and can be processed uniform thickness and width. LUTENE LB4500 is also noted for the excellent heat stability and has good silicone coating processability. LB4500 has a good adhesion strength with paper and paper board and excellent neck-in characteristic. LUTENE LB4500 contains no additives. Main Application: Release paper, kraft paper, paper cup

Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUTENE-LB4500-LDPE-Extrusion-Coating.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.918 g/cc	0.918 g/cc	ASTM D1505
Water Vapor Transmission	20.0 g/m ² /day @Pressure 0.101 MPa	1.29 g/100 in ² /day @Pressure 14.7 psi	ASTM D393
Melt Flow	4.5 g/10 min @Load 2.16 kg, Temperature 190 Â°C	4.5 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	44	44	ASTM D2240
Tensile Strength at Break	13.0 MPa	1890 psi	200mm/min; ASTM D638
Tensile Strength, Yield	9.32 MPa	1350 psi	200 mm/min; ASTM D638
Elongation at Break	540 %	540 %	200 mm/min; ASTM D638
Flexural Modulus	0.196 GPa	28.4 ksi	200mm/min; ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	107 Â°C	225 Â°F	10Â°C/min; DSC

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