

LG Chemical LUTENE LB5000 LDPE Extrusion Coating

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

Material Notes:

Description: LUTENE LB5000 is mainly intended for extrusion coating and can be processed at high speed uniform thickness and width. LUTENE LB5000 is also noted for the excellent adhesion to porous and non porous substrates such as paper, nylon, OPP, PET and aluminum and has good heat seal strength and hot-tack strength. LUTENE LB5000 contains on additives. Main Application: Flexible package(tie layer or sealant layer of laminating film), paper and paper board coating (release paper, paper cup, kraft paper) CAS No. 9002-88-4 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUTENE-LB5000-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/mÂ²/day @Pressure 0.101 MPa | 1.29 g/100 inÂ²/day @Pressure 14.7 psi | ASTM D393 |
| Melt Flow | 5.0 g/10 min @Load 2.61 kg, Temperature 190 Â°C | 5.0 g/10 min @Load 5.75 lb, Temperature 374 Â°F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-----------|----------|-----------------------|
| Hardness, Shore D | 43 | 43 | ASTM D2240 |
| Tensile Strength at Break | 12.0 MPa | 1740 psi | 200mm/min; ASTM D638 |
| Tensile Strength, Yield | 8.83 MPa | 1280 psi | 200 mm/min; ASTM D638 |
| Elongation at Break | 550 % | 550 % | 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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