

## LG Chemical LUTENE BB0808 LDPE Blown Film Grade

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

### Material Notes:

Description: LUTENE BB0808 is mainly intended for the extrusion of blown film with high mechanical property for the manufacture of shrink film and pallet shrink covers. LUTENE BB0808 have the balanced shrink properties and good clarity make suitable for shrink film. (LUTENE BB0808 contains neither slip agent nor antiblock agent.)Main Application: Shrinkage film, Pallet shrink cover, chopping board, All types of industrial packingCAS No. 9002-88-4Information provided by LG Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LG-Chemical-LUTENE-BB0808-LDPE-Blown-Film-Grade.php](http://www.lookpolymers.com/polymer_LG-Chemical-LUTENE-BB0808-LDPE-Blown-Film-Grade.php)

| Physical Properties                   | Metric                                                 | English                                                | Comments        |
|---------------------------------------|--------------------------------------------------------|--------------------------------------------------------|-----------------|
| Specific Gravity                      | 0.921 g/cc                                             | 0.921 g/cc                                             | ASTM D1505      |
| Water Vapor Transmission              | 12.0 g/m <sup>2</sup> /day                             | 0.773 g/100 in <sup>2</sup> /day                       |                 |
| Oxygen Transmission Rate              | 2000 cc/m <sup>2</sup> /day                            | 129 cc/100 in <sup>2</sup> /day                        |                 |
| Nitrogen Transmission                 | 3500 cc-mm/m <sup>2</sup> -24hr-atm                    | 8890 cc-mil/100 in <sup>2</sup> -24hr-atm              |                 |
| Environmental Stress Crack Resistance | >= 500 hour                                            | >= 500 hour                                            | F50; ASTM D1693 |
| Thickness                             | 30.0 - 120 microns                                     | 1.18 - 4.72 mil                                        |                 |
| Melt Flow                             | 0.80 g/10 min<br>@Load 2.16 kg,<br>Temperature 190 Â°C | 0.80 g/10 min<br>@Load 4.76 lb,<br>Temperature 374 Â°F | ASTM D1238      |

| Mechanical Properties              | Metric   | English  | Comments       |
|------------------------------------|----------|----------|----------------|
| Film Elongation at Break, MD       | 550 %    | 550 %    | ASTM D882      |
| Film Elongation at Break, TD       | 650 %    | 650 %    | ASTM D882      |
| Tear Strength                      | 275 kN/m | 1570 pli | MD; ASTM D1922 |
|                                    | 275 kN/m | 1570 pli | TD; ASTM D1922 |
| Dart Drop Test                     | 220 g    | 0.485 lb | ASTM D1709     |
| Film Tensile Strength at Break, MD | 21.6 MPa | 3130 psi | ASTM D882      |
| Film Tensile Strength at Break, TD | 20.6 MPa | 2990 psi | ASTM D882      |

| Thermal Properties | Metric  | English | Comments |
|--------------------|---------|---------|----------|
| Melting Point      | 110 Â°C | 230 Â°F | DSC      |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
|--------------------|--------|---------|----------|

| Optical Properties | Metric | English | Comments        |
|--------------------|--------|---------|-----------------|
| Haze               | 8.0 %  | 8.0 %   | ASTM D1003      |
| Gloss              | 80 %   | 80 %    | 60°; ASTM D2457 |

| Processing Properties  | Metric       | English      | Comments |
|------------------------|--------------|--------------|----------|
| Processing Temperature | 160 - 190 °C | 320 - 374 °F |          |
| Blow-up Ratio (BUR)    | 1.5 - 3.0    | 1.5 - 3.0    |          |

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