

## SCG Chemicals EL-Leneâ,,ç LD1630J Low Density Polyethylene Injection Molding

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

### Material Notes:

**Key Characteristics:** Good flowability for multicavities Good toughness and flexibility Excellent gloss and transparency Odorless Safe for food contact  
**Recommended Applications:** Housewares Small to large closures Base resin for powder coating application Toy parts Masterbatch carrier  
 Information provided by SCG Chemicals

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SCG-Chemicals-EL-Lene-LD1630J-Low-Density-Polyethylene-Injection-Molding.php](http://www.lookpolymers.com/polymer_SCG-Chemicals-EL-Lene-LD1630J-Low-Density-Polyethylene-Injection-Molding.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.916 g/cc	0.916 g/cc	ASTM D1505
Linear Mold Shrinkage, Flow	0.0223 cm/cm @Thickness 2.00 mm	0.0223 in/in @Thickness 0.0787 in	TPE Method
Linear Mold Shrinkage, Transverse	0.0167 cm/cm @Thickness 2.00 mm	0.0167 in/in @Thickness 0.0787 in	TPE Method
Melt Flow	30 g/10 min @Load 2.16 kg, Temperature 190 Â°C	30 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	47	47	ASTM D2240
Tensile Strength at Break	9.00 MPa	1310 psi	ASTM D638
Tensile Strength, Yield	8.83 MPa	1280 psi	ASTM D638
Elongation at Break	450 %	450 %	ASTM D638
Flexural Modulus	0.167 GPa	24.2 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	105 Â°C	221 Â°F	ASTM D2117
Vicat Softening Point	85.0 Â°C	185 Â°F	ASTM D1525
Brittleness Temperature	<= -70.0 Â°C	<= -94.0 Â°F	ASTM D746

Optical Properties	Metric	English	Comments
	14 %	14 %	

Haze Optical Properties	Metric @ Thickness 1.00 mm	English @ Thickness 0.0394 in	ASTM D1003 Comments
Gloss	76 % @Thickness 1.00 mm	76 % @Thickness 0.0394 in	ASTM D2457

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China