

**ExxonMobil LL 1002x79 Blown Film Resin (discontinued \*\*)**

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

**Material Notes:**

LL 1002 resins are butene LLDPE designed for blown film process, with good tensile and toughness properties. Information provided by ExxonMobil Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LL-1002x79-Blown-Film-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-LL-1002x79-Blown-Film-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in <sup>3</sup>	ExxonMobil Method
Melt Flow	2.0 g/10 min	2.0 g/10 min	ASTM D1238
Antiblock Level	5000 ppm	5000 ppm	
Slip Level	1700 ppm	1700 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	8.48 MPa	1230 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	8.62 MPa	1250 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	660 %	660 %	ASTM D882
Film Elongation at Break, TD	780 %	780 %	ASTM D882
Puncture Energy	1.11 J	0.817 ft-lb	ExxonMobil
Elmendorf Tear Strength, MD	4.72 g/micron	120 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	13.4 g/micron	340 g/mil	ASTM D1922
Dart Drop	2.76 g/micron	70.0 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	36.5 MPa	5300 psi	ASTM D882
Film Tensile Strength at Break, TD	26.2 MPa	3800 psi	ASTM D882
1% Secant Modulus, MD	177 MPa	25700 psi	ASTM D882
1% Secant Modulus, TD	196 MPa	28400 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	123 °C	253 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	28.7 %	28.7 %	ASTM D1003
Gloss	22 %	22 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

## 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