

## UBE UMERIT 1500F Metallocene LLDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Injection Molded

### Material Notes:

Description: UBE Super Polyethylene Umerit® is an ethylene-olefin copolymer made by UBE using the metallocene catalytic method. The metallocene catalytic method results in superior physical properties by being able to acquire any targeted molecular structures. Specific Notes for this Grade: UMERIT® 1500F offers various excellent properties: Superior low temperature seal property, advantageous compared to 2000F, Reduced motor load at processing, Draw resonance at high-speed drawing hardly occurs. Information provided by UBE.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_UBE-UMERIT-1500F-Metallocene-LLDPE.php](http://www.lookpolymers.com/polymer_UBE-UMERIT-1500F-Metallocene-LLDPE.php)

Physical Properties	Metric	English	Comments
Density	0.913 g/cc	0.0330 lb/in <sup>3</sup>	ASTM D1505
Environmental Stress Crack Resistance	1000 hour	1000 hour	F50; ASTM D1693
Melt Flow	4.0 g/10 min	4.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	51	51	ASTM D2240
Tensile Strength, Yield	39.0 MPa	5660 psi	ASTM D638
Elongation at Break	730 %	730 %	ASTM D638
Tensile Modulus	0.190 GPa	27.6 ksi	Bending Modulus; ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	99.0 °C	210 °F	UBE method
Vicat Softening Point	97.0 °C	207 °F	ASTM D1525

## Contact Songhan Plastic Technology Co.,Ltd.

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