

UBE UMERIT 613A 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® 613A offer various excellent properties: Superior transparency and low temperature flexibility, the surface of processed products is free from stickiness and cloud due to the elimination of low molecular weight elements, high reliability products are guaranteed due to superior mechanical properties, and high ESCR properties. Information provided by UBE.

Order this product through the following link:

http://www.lookpolymers.com/polymer_UBE-UMERIT-613A-Metallocene-LLDPE.php

Physical Properties	Metric	English	Comments
Density	0.913 g/cc	0.0330 lb/in³	ASTM D1505
Environmental Stress Crack Resistance	20 hour	20 hour	F50; ASTM D1693
Melt Flow	30 g/10 min	30 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	ASTM D2240
Tensile Strength, Yield	30.0 MPa	4350 psi	ASTM D638
Elongation at Break	850 %	850 %	ASTM D638
Tensile Modulus	0.230 GPa	33.4 ksi	Bending Modulus; ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	113 °C	235 °F	UBE method
Vicat Softening Point	87.0 °C	189 °F	ASTM D1525

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