

LyondellBasell Montell 16501F3 Butene LLDPE

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE

Material Notes:

Key Features: butene LLDPE resins for film extrusion applications, easy processing, low gels, good strength, no slip, no antiblock

Applications: can liners and trash bags, blends, thin films

Meets FDA requirements in 21 CFR 177.1520 for all food contact, including cooking applications.

Description: 16501 butene LLDPE film resin combine ease of processing with excellent optics and high film strength. These resins are well suited to replace LLDPE/LDPE blends in blown film applications. This resin meets FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for all food contact, including cooking applications. All ingredients meet the chemical registration requirements of TSCA and DSL.

Information provided by Montell Polyolefins. LyondellBasell is the successor company to Montell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Montell-16501F3-Butene-LLDPE.php

Physical Properties	Metric	English	Comments
Density	0.916 g/cc	0.0331 lb/in ³	ASTM D792
Thickness	25.4 microns	1.00 mil	
Melt Flow	0.95 g/10 min @Load 2.16 kg, Temperature 230 Â°C	0.95 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.0 MPa	1600 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ASTM D882
Film Elongation at Break, MD	800 %	800 %	ASTM D882
Film Elongation at Break, TD	1000 %	1000 %	ASTM D882
Secant Modulus, MD	0.179 GPa	26.0 ksi	ASTM D882
Secant Modulus, TD	0.193 GPa	28.0 ksi	ASTM D882
Elmendorf Tear Strength MD	150 g	150 g	ASTM D1922A
Elmendorf Tear Strength TD	450 g	450 g	ASTM D1922A
Elmendorf Tear Strength, MD	5.91 g/micron	150 g/mil	ASTM D1922A
Elmendorf Tear Strength, TD	17.7 g/micron	450 g/mil	ASTM D1922A
Dart Drop	4.13 g/micron	105 g/mil	ASTM D1709
Dart Drop Test	105 g	0.232 lb	ASTM D1709A

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Break, TD	30.3 MPa	4390 psi	ASTM D882

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