

LyondellBasell Montell 16502F7 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, low slip, medium 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: 16502 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-16502F7-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	2.0 g/10 min @Load 2.16 kg, Temperature 230 Â°C	2.0 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	900 %	900 %	ASTM D882
Secant Modulus, MD	0.152 GPa	22.0 ksi	ASTM D882
Secant Modulus, TD	0.172 GPa	24.9 ksi	ASTM D882
Elmendorf Tear Strength MD	40 g	40 g	ASTM D1922A
Elmendorf Tear Strength TD	350 g	350 g	ASTM D1922A
Elmendorf Tear Strength, MD	1.57 g/micron	40.0 g/mil	ASTM D1922A
Elmendorf Tear Strength, TD	13.8 g/micron	350 g/mil	ASTM D1922A
Dart Drop	3.54 g/micron	90.0 g/mil	ASTM D1709
Dart Drop Test	90.0 g	0.198 lb	ASTM D1709A

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Break, TD	29.0 MPa	4210 psi	ASTM D882

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