

Westlake Mxsten CV77529 Polyethylene Plastomer

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Mxsten CV plastomer CV77529 is a polyethylene plastomer designed for blown film extrusion that contains high slip, very high antiblock and polymer processing aid additives. Films produced with this resin exhibit very good strength properties and low seal initiation temperatures. Application/Uses Agricultural tubing Blown film Co-ex films FDA: This material complies with FDA regulations in 21 CFR, section 177.1520. All information provided by Westlake Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Mxsten-CV77529-Polyethylene-Plastomer.php

Physical Properties	Metric	English	Comments
Density	0.906 g/cc	0.0327 lb/in ³	ASTM D1505
Thickness	25.4 microns	1.00 mil	
Melt Flow	0.50 g/10 min	0.50 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, TD	6.89 MPa	1000 psi	ASTM D882
Film Elongation at Break, MD	550 %	550 %	ASTM D882
Film Elongation at Break, TD	950 %	950 %	ASTM D882
Elmendorf Tear Strength MD	440 g	440 g	ASTM D1922
Elmendorf Tear Strength TD	600 g	600 g	ASTM D1922
Dart Drop	63.0 g/micron	1600 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	66.2 MPa	9600 psi	ASTM D882
Film Tensile Strength at Break, TD	26.2 MPa	3800 psi	ASTM D882
1% Secant Modulus, MD	110 MPa	16000 psi	ASTM D882
1% Secant Modulus, TD	138 MPa	20000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	14 %	14 %	ASTM D1003
Gloss	60 %	60 %	at 45°; ASTM D2457

Processing Properties	Metric	English	Comments
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Blow-up Ratio (BUR) Processing Properties	2.4 Metric	2.4 English	Comments
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Descriptive Properties	Value	Comments
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Process

Blown Film

Film

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