

Westlake Mxsten CV77512 Polyethylene Plastomer

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Mxsten CV plastomer CV77512 is a polyethylene plastomer designed for blown film extrusion that contains high slip, high antiblock and high processing aid additives. Films produced with this resin exhibit exceptionally low seal initiation temperature with a broad hot tack window combined with good stiffness. Other features of this resin include extreme strength in cold and refrigerated temperature environments, high resistance to tears, and high MVTR. Application/Uses Agricultural tubing Blown film Food packaging FDA: This material complies with FDA regulations in 21 CFR, section 177.1520. Kosher Compliant. All information provided by Westlake Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Mxsten-CV77512-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	7.58 MPa	1100 psi	ASTM D882
	8.00 MPa	1160 psi	ASTM D882
Film Elongation at Break, MD	600 %	600 %	ASTM D882
Film Elongation at Break, TD	1000 %	1000 %	ASTM D882
Elmendorf Tear Strength MD	450 g	450 g	ASTM D1922
Elmendorf Tear Strength TD	650 g	650 g	ASTM D1922
Dart Drop	47.2 g/micron	1200 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	62.1 MPa	9000 psi	ASTM D882
Film Tensile Strength at Break, TD	44.8 MPa	6500 psi	ASTM D882
1% Secant Modulus, MD	124 MPa	18000 psi	ASTM D882
1% Secant Modulus, TD	145 MPa	21000 psi	ASTM D882
Heat Seal Strength Initiation Temperature	82.0 °C	180 °F	Westlake

Optical Properties	Metric	English	Comments
Haze	20 %	20 %	ASTM D1003

Optical Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Melt Temperature	216 - 232 °C	420 - 450 °F	
Blow-up Ratio (BUR)	2.4	2.4	

Descriptive Properties	Value	Comments
Process	Blown Film	
	Film	

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