

Westlake Mxsten CV77515 Polyethylene Plastomer

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Mxsten CV Plastomer CV77515 resin is a polyethylene plastomer designed for blown film extrusion and food packaging that contains 1,000 ppm slip and no antiblock additives. Films produced with this resin exhibit a very low seal initiation temperature with a broad hot tack window. Other features of this resin include higher stiffness and high melting point. This resin grade complies with 21 CFR 177.1520. Blown film processing temperatures of 420½ F 450½ F are recommended for Westlake Chemical CV77515. Gauge of test specimens 1.0 mil fabricated on a 6" die, 2.5" 24:1 L:D barrier screw, 2.4:1 BUR, 100-mil die gap, 15" frostline height, 450½ F melt temperature, and 7.5 lb/hr/inch die output. Density results are on Base Resin.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Mxsten-CV77515-Polyethylene-Plastomer.php

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 lb/in³	ASTM-D4883
Thickness	25.4 microns	1.00 mil	
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	750 %	750 %	ASTM-D822
Film Elongation at Break, TD	1050 %	1050 %	ASTM-D822
Dart Drop	66.9 g/micron	1700 g/mil	ASTM-D1709A
Dart Drop Test	1700 g	3.75 lb	ASTM-D1709A
Film Tensile Strength at Break, MD	56.0 MPa	8120 psi	ASTM-D882
Film Tensile Strength at Break, TD	44.0 MPa	6380 psi	ASTM-D882
Heat Seal Strength Initiation Temperature	88.0 °C	190 °F	Temperature at which 200 g/in. seal strength is achieved.; Westlake Test

Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ASTM-D1003
Gloss	60 %	60 %	Angle 45°; ASTM-D2457

Descriptive Properties	Value	Comments
Process	Blown Film	

Descriptive Properties	Value	Comments
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