



Westlake Polymers

Enhancing your life every day

CV77516

Using EnergySM Technology Services

Application/Uses

- Blown film
- Food Packaging

Product Description

Mxsten CV Plastomer CV77516 resin is a polyethylene plastomer designed for blown film extrusion that contains no 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.

Typical Physical Properties

<u>Property^a</u>	<u>Test^b Method</u>	<u>Typical Value, Units^c</u>
Melt Index (Condition 190°C/2.16 kg)	D 1238	1.0 g/10 min
Density	D 4883	910 kg/m ³ (0.910 g/cm ³)
Thickness of Film Tested		1.0 mils
Haze	D 1003	7.0%
Gloss @ 45°	D 2457	60
Dart Impact	D 1709A	1700 g
Seal Initiation Temperature ^d	Westlake	88°C (190°F)
Tensile Strength @ Break	M.D. D 882	56 MPa (8200 psi)
	T.D. D 882	44 MPa (6400 psi)
Elongation @ Break	M.D. D 822	750%
	T.D. D 822	1050%

^a Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

^b Unless noted otherwise, the test method is ASTM.

^c Units are in SI or US customary units.

^d Seal initiation temperature is the temperature at which 200 g/inch seal strength is achieved.

Applications

Mxsten CV Plastomer CV77516 resin is a polyethylene plastomer designed for blown film extrusion that contains no 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.

Conditions

Extrusion conditions used to produce 1 mil (0.025 mm) film include a 6" die, 2.5" 24:1 L:D barrier screw, 2.4:1 BUR, 100-mil die gap, 15" frostline height, 425° F melt temperature, and 7.5 lb/hr/inch die output. Density results are on Base Resin.

FDA

This product has some 21 CFR clearances. Please contact Westlake Product Regulatory Department for statements.

Comments

Properties reported here are based on limited testing. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given.

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