



### 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<sup>a</sup></u>	<u>Test<sup>b</sup> Method</u>	<u>Typical Value, Units<sup>c</sup></u>
Melt Index (Condition 190°C/2.16 kg)	D 1238	1.0 g/10 min
Density	D 4883	910 kg/m <sup>3</sup> (0.910 g/cm <sup>3</sup> )
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 <sup>d</sup>	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%

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

<sup>b</sup> Unless noted otherwise, the test method is ASTM.

<sup>c</sup> Units are in SI or US customary units.

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

### Applications

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### 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.