



## Application/Uses

- Blown film
- Cast film
- Packaging

## Product Description

Mxsten CV Plastomer CV77518 resin is a polyethylene plastomer designed for blown and cast 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

Property <sup>a</sup>		Test <sup>b</sup> Method	Typical Value, Units <sup>c</sup>
Melt Index (Condition 190°C/2.16 kg)		D 1238	2.0 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	13%
Gloss @ 45°		D 2457	55
Dart Impact		D 1709A	400 g
Seal Initiation Temperature <sup>d</sup>		Westlake	88°C (190°F)
Elmendorf Tear Resistance	M.D.	D 1992	300 gf
	T.D.	D 1992	550 gf
Tensile Strength @ Break	M.D.	D 882	35 MPa (5100 psi)
	T.D.	D 882	40 MPa (5800 psi)
Tensile Strength @ Yield <sup>e</sup>	M.D.	D 882	
	T.D.	D 882	
Elongation @ Break	M.D.	D 822	700%
	T.D.	D 882	1200%
Tensile Modulus, 1% Secant	M.D.	D 822	152 MPa (22,000 psi)
	T.D.	D 882	172 MPa (25,000 psi)

<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.

<sup>e</sup> M.D. – DNY (Did Not Yield)

## Applications

Mxsten CV Plastomer CV77518 resin is a polyethylene plastomer designed for blown and cast film extrusion that contains no slip and no antiblock additives. Films produced with this resin exhibit a low seal initiation temperature with a broad hot tack window. Other features of this resin include higher stiffness and ease of processing for narrow die gaps.

## 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, 400° 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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