

Technical Data Sheet

Applications

- Blown films
- Core layer in multilayer films

Product Description

MXSTEN® CV77516 is a linear low density polyethylene plastomer designed for blown film applications. It does not contain any slip or antiblock additives. It is recommended for multilayer films as a core layer to increase the dart impact, puncture resistance, and tear properties of the overall film structure.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
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)
Haze		D 1003	7 %
Gloss @ 45°		D 2457	73
Dart Impact		D 1709	890 g
Elmendorf Tear	M.D.	D 1922	370 gf
	T.D.	D 1922	580 gf
Tensile Strength @ Break	M.D.	D 882	53.1 MPa (7,700 psi)
	T.D.	D 882	44.8 MPa (6,500 psi)
Tensile Elongation @ Break	M.D.	D 882	830 %
	T.D.	D 882	1,050 %
Tensile Modulus, 1% Secant	M.D.	D 882	146.2 MPa (21,200 psi)
	T.D.	D 882	120.7 MPa (17,500 psi)

^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.

Notes

Test specimens for blown film: nominal thickness 1.0 mils; blow up ratio 2.5:1, die gap 100 mils.

Processing

Melt temperatures of 400°F – 430°F are recommended for MXSTEN® CV77516 with blow-up ratios of 1.5:1 or higher.

Regulatory Compliance

This product has some 21 CFR clearances. Please contact your Westlake Sales Representative for food contact statements.

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