



MXSTEN® CV77526

LLDPE Plastomer

Technical Data Sheet

Applications

- Blown film
- Core layer in multilayer films

Product Description

MXSTEN® CV77526 resin 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 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	0.7 g/10 min
Density	D 4883	910 kg/m ³ (0.910 g/cm ³)
Haze	D 1003	6 %
Gloss @ 45°	D 2457	74
Dart Impact	D 1709	1,200 g
Elmendorf Tear Resistance	M.D. D 1922 T.D. D 1922	400 gf 620 gf
Tensile Strength @ Break	M.D. D 882 T.D. D 882	59.3 MPa (8,600 psi) 46.2 MPa (6,700 psi)
Elongation @ Break	M.D. D 882 T.D. D 882	680 % 1,030 %
Tensile Modulus, 1% Secant	M.D. D 882 T.D. D 882	137.9 MPa (20,000 psi) 110.3 MPa (16,000 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 410°F – 440°F are recommended for MXSTEN® CV77526 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.

Westlake makes no representation that the material in any particular shipment will conform exactly to the values given. Westlake and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

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07/27/22