

Technical Data Sheet

Applications

- Blown film
- Core layer in multilayer films

Product Description

MXSTEN® CV77543 is a linear low density polyethylene plastomer with very low levels of antioxidants, and no slip or antiblock. It is recommended as a core layer to increase the dart impact, puncture resistance, and tear properties for multilayer films that are post electron beam treated. No processing aid is intentionally added to this product.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	0.5 g/10 min
Density		D 4883	906 kg/m ³ (0.906 g/cm ³)
Haze		D 1003	14 %
Gloss @ 45°		D 2457	55
Dart Impact		D 1709	1,750 g
Elmendorf Tear	M.D.	D 1922	450 gf
	T.D.	D 1922	750 gf
Tensile Strength at Break	M.D.	D 882	55.2 MPa (8,000 psi)
	T.D.	D 882	44.8 MPa (6,500 psi)
Elongation at Break	M.D.	D 882	700%
	T.D.	D 882	950%
Tensile Modulus, 1% Secant	M.D.	D 882	110.3 MPa (16,000 psi)
	T.D.	D 882	96.5 MPa (14,000 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 mil; blow up ratio 2.5:1, die gap 100 mils.

Processing

Melt temperatures of 420°F – 450°F are recommended for MXSTEN® CV77543 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.