

Applications

- Blown film
- Core layer in multilayer films
- Irrigation tubing
- Recycled resin stabilizer

Product Description

MXSTEN® CV77541 is a barefoot linear low density polyethylene plastomer designed for blown film and extrusion applications. It is recommended for multilayer films as a core layer to increase dart impact, puncture resistance, and tear properties of the overall film. It can also be used to improve flexibility in irrigation tubing, and can be blended with PE recycle streams to enhance physicals and increase recycle incorporation.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index		D 1238	0.5 g/10 min
Density		D 4883	906 kg/m ³ (0.906 g/cm ³)
Haze		D 1003	14.0%
Gloss @ 45°		D 2457	55
Dart Impact		D 1709	1,750 g
Elmendorf Tear	M.D.	D 1922	450 g/mil
	T.D.	D 1922	750 g/mil
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® CV77541 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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