

Technical Data Sheet

Applications

- Medium duty produce bags
- Clarity shrink film
- Textile bags
- Beverage / bottle overwrap

Product Description

Westlake EF403 is a fractional melt LDPE resin suggested for use in clarity shrink applications. This formula exhibits excellent shrink characteristics and has very good optical properties.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	0.80 g/10 min
Density (Base Formulation)		D 1505	924 kg/m ³ (0.924 g/cm ³)
Haze (Base Formulation)		D 1003	6.0 %
Gloss @ 45° (Base Formulation)		D 2457	75
Dart Impact		D 1709	125 g
Tensile Strength @ Break	M.D.	D 882	27.6 MPa (4,000 psi)
	T.D.	D 882	23.4 MPa (3,400 psi)
Elongation @ Break	M.D.	D 882	380 %
	T.D.	D 882	850 %
1% Secant Modulus	M.D.	D 882	179 MPa (26,000 psi)
	T.D.	D 882	221 MPa (32,000 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 1.25 mils; blow up ratio 2.5:1, die gap 35 mils.

Processing

Melt temperatures of 360°F – 390°F are recommended for Westlake EF403 with blow-up ratios of 2.4:1 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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