Westlake LDPE EF602

Low Density Polyethylene

Westlake Chemical Corporation

Message:

Westlake EF602 is a fractional melt LDPE with excellent toughness. It is suggested in heavy duty films and shipping sacks, and in industrial shrink applications. It can be used as a bubble stabilizer in LLDPE rich films.
Application/Uses:
Heavy duty refuse bags & liners
Industrial shrink film
Bundling and casewrap

General Information	
Features	Ultra high toughness High tensile strength Good heat sealability
Uses	Films Lining Shrinkable film Heavy packing bag
Agency Ratings	FDA 21 CFR 177.1520
Forms	Particle
Processing Method	Blow film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	51	µm	
secant modulus [1]			ASTM D882
1% secant, MD: 51 µm, blown film	165	MPa	ASTM D882
1% secant, TD: 51 µm, blown film	217	MPa	ASTM D882
Tensile Strength [2]			ASTM D882
MD: Broken, 51 µm, blown film	17.2	MPa	ASTM D882
TD: Broken, 51 µm, blown film	10.3	MPa	ASTM D882
Tensile Elongation [3]			ASTM D882
MD: Broken, 51 µm, blown film	150	%	ASTM D882
TD: Broken, 51 µm, blown film	680	%	ASTM D882
Dart Drop Impact [4] (51 µm, Blown Film)	130	g	ASTM D1709

Additional Information
Test specimens for blown film: nominal thickness 2.0 mils; blow up ratio 2.5:1, die gap 35 mils.Melt temperatures of 360° F - 400° F are recommended for Westlake Chemical EF602 with blow-up ratios of 1.5:1 or higher.

Extrusion	Nominal Value	Unit
Melt Temperature	182 - 204	°C

NOTE	
1.	Test run at 23°C (73°F) and 50% relative humidity
2.	Test run at 23°C (73°F) and 50% relative humidity
3.	Test run at 23°C (73°F) and 50% relative humidity
4.	Test run at 23°C (73°F) and 50% relative humidity

Recommended distributors for this material

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