

Westlake LDPE EF606

Low Density Polyethylene
Westlake Chemical Corporation

Message:

Westlake EF606 is a LDPE resin suggested for use in multiwall and general purpose liners, and for use as a blend resin in general purpose packaging applications. It has excellent processability, and is an excellent bubble stabilizer in LLDPE rich blends.

Application/Uses:

- Trash bags
- General purpose lin
- Multiwall liners
- Industrial liners

General Information			
Features	Workability, good		
	Good heat sealability		
Uses	Lining		
	Bags		
	Mixing		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Blow film		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.2	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	ASTM D882
secant modulus ¹			
1% secant, MD: 51 µm, blown film	152	MPa	ASTM D882
1% secant, TD: 51 µm, blown film	193	MPa	ASTM D882
Tensile Strength ²			ASTM D882
MD: Broken, 51 µm, blown film	26.9	MPa	ASTM D882
TD: Broken, 51 µm, blown film	17.9	MPa	ASTM D882
Tensile Elongation ³			ASTM D882
MD: Broken, 51 µm, blown film	300	%	ASTM D882
TD: Broken, 51 µm, blown film	600	%	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 EF606 with blow-up ratios of 1.5:1 or higher.

Extrusion	Nominal Value	Unit
Melt Temperature	182 - 204	°C

NOTE

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|----|---|
| 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 |

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