



Westlake Polymers

Enhancing your life every day

EF378

Low Density Polyethylene

Application/Uses

- Diaper liners
- General purpose clarity

Product Description

WESTLAKE EF378 is suggested for cast film applications. It has excellent haze and gloss, good strength, good processability, and good heat sealability.

Typical Physical Properties

| Property | | Test Method | Typical Value, Units |
|----------------------|----|-------------|--|
| Melt Index | | D 1238 | 4.0 g/10 min |
| Density | | D 1505 | 922 kg/m ³ (0.922 g/cm ³) |
| Haze | | D 1003 | 5.5 % |
| Specular Gloss @ 45° | | D 2457 | 70 |
| Dart Impact | | D 1709 | 80 g/mil |
| Ultimate Tensile | MD | D 882 | 3,500 psi |
| | TD | D 882 | 2,700 psi |
| Elongation | MD | D 882 | 350 % |
| | TD | D 882 | 700 % |
| 1% Secant Modulus | MD | D 882 | 25,000 psi |
| | TD | D 882 | 29,000 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.

FDA

This product has some 21 CFR clearances. Please contact Westlake Product Regulatory Department for statements.

PROCESSING

Melt temperatures of 360° F – 390° F are recommended for Westlake EF378 with blow-up ratios of 1.5:1 or higher.

COMMENTS

Properties reported here are based on limited testing. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given.

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