Westlake Chemical

EF796

EF796AA = E6838-796F

Application/Uses

- Disposable diaper film
- Food-contact applications
- Industrial packaging

Product Description

Westlake Polyethylene EF796 is a low density formulation suggested for film applications requiring a good balance of properties such as converter film for industrial packaging and general-purpose packaging.

Typical Physical Properties

Property[a]		Test[b] Method	Typical Value, Units[c]
Melt Index (Condition 190°C/2.16 kg)		D 1238	2.5 g/10 min
Density		D 4883	921 kg/m^3 (0.921 g/cm^3)
Vicat Softening Temperature		D 1525	94°C (201°F)
Haze		D 1003	6%
Gloss @ 45°		D 2457	70
Dart Impact		D 1709A	100 g
Tensile Strength @ Break	M.D.	D 882	26 MPa (3800 psi)
	T.D.	D 882	19 MPa (2700 psi)
Tensile Modulus, 1% Secant	M.D.	D 882	186 MPa (27000 psi)
	T.D.	D 882	220 MPa (32000 psi)
Elongation @ Break	M.D.	D 882	250%
	T.D.	D 882	750%

[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 1.5 mils; blow up ratio 2.4:1, die gap 50 mils.

FDA
This resin grade complies with 21 CFR 177.1520. For further information, please contact Product Regulatory Compliance.

PROCESSING
Melt temperatures of 360° F – 380° F are recommended for Westlake Chemical EF796 with blow-up ratios of 2.4:1 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.