



TRADEMARK POLYETHYLENE

mLLD1916 Series

Technical Data Sheet

LLDPE Film Resin

Applications

- Heavy Duty Packaging
- High Strength Clarity Packaging
- Seal Layer in Coextrusions
- Enhancing Monolayer Films

Properties

- Metallocene Catalyst
- Excellent Haze and Gloss
- Excellent Strength
- Excellent Heat Seal

Grades

- 1916B - Process Aid (PA)
- 1916F - PA, High Slip & Antiblock

Properties	Value	Method
Melt Index, MI_2 (gm/10min)	1.4	ASTM D1238
Density* (gm/cc)	0.916	ASTM D1505
Haze* (%)	4.0	ASTM D1003
Specular Gloss @ 45°	135	ASTM D2457
Dart Impact (gms/mil)	1100	ASTM D1709
Elmendorf Tear MD/TD (g/mil)	230/500	ASTM D1922
Tensile at Yield MD/TD (psi)	1970/1500	ASTM D882
Tensile at Break MD/TD (psi)	7550/7390	ASTM D882
Elongation at Break MD/TD (%)	470/580	ASTM D882
1% Secant Modulus MD/TD (psi)	24000/26300	ASTM D882
Film Puncture Force (lbf)	18.6	ASTM D3763
Seal Initiation Temperature (°F)	199	ASTM D3763

Typical film property as measured on a 1.0 mil blown film sample fabricated at a 2.5:1 B.U.R.

*Base polymer only.

FDA

This material complies with FDA regulations in 21 CFR, section 177.1520, paragraph C, section 2.1, for use in articles that contact non-alcoholic food.

PROCESSING

Extrusion melt temperatures of 360° to 400°F are recommended for Trademark's mLLD1916 Series with blow-up ratios of 1.5:1 or higher.

