

mLLD1918 Series

LLDPE Film Resin

Technical Data Sheet

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)
- 1918C - PA, No Slip & High Antiblock
- 1918F - PA, High Slip & Antiblock

PROPERTIES

VALUE

METHOD

PROPERTIES	VALUE	METHOD
Melt Index, MI ₂ (gm/10min)	1.0	ASTM D1238
Density (gm/cc)	0.918	ASTM D1505
Haze* (%)	4.0	ASTM D1003
Specular Gloss @ 45°	130	ASTM D2457
Dart Impact (gms/mil)	800	ASTM D1709
Elmendorf Tear MD/TD (g/mil)	230/500	ASTM D1922
Tensile at Yield MD/TD (psi)	1550/1380	ASTM D882
Tensile at Break MD/TD (psi)	8490/7490	ASTM D882
Elongation of Break MD/TD (%)	450/600	ASTM D882
1% Secant Modulus MD/TD (psi)	25000/27500	ASTM D882
Film Puncture Force (lbf)	17.3	ASTM D3763
Seal Initiation Temperature (°F)	204	ASTM D3763

Typical 1m property as measured on a 1.0 mil blown 1m 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 mLLD1918 Series with blow-up ratios of 1.5:1 or higher.

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