

## TechResin® 1417B

### **Superior Performance Linear Low Density Polyethylene for Film Extrusion**

TechResin® 1417B is a superior strength linear low density polyethylene. Film mechanical properties are comparable to premium strength LLDPE film resins.

TechResin® 1417B is a barefoot resin for use in high performance film applications offering excellent extrusion processing and outstanding impact strength and tear resistance. Films exhibit good optical properties.

TechResin® 1417B meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

#### **Suggested Applications:**

Industrial packaging	Industrial liners	Food packaging	Stretch Film
Can liners	Consumer trash bags	Coextrusion	

#### **Nominal Physical Properties:**

PROPERTY	TEST METHOD	UNIT	VALUE
Density	D1505	g/cc	0.918
Melt Index, Condition E, 190°C/2.16 kg	D1238	g/10 min	2.0
Dart Impact	D1709	g	250
Tear Strength	D1922	g	270/430*
Yield Strength	D882	psi	1300/1300*
Tensile Strength at Break	D882	psi	5200/3800*
Elongation	D882	%	500/750*
Optical Properties:			
Gloss (45°)	D2457		80
Haze	D1003	%	2

\* MD/TD

Note: Film Properties measured on 0.8 mil (20 micron) cast film extruded at 320 fpm with a melt temperature at 520°F. and melt curtain of 1.0 inch.

Actual film properties may vary depending on operating conditions and additive packages. Film properties are not intended to be used as specifications.

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