

TECHNICAL DATA SHEET (TDS)

LLDPE LL1-20-OA LINEAR LOW DENSITY POLYETHYLENE

OVERVIEW: Octene copolymer.

Easy processability, high toughness and strength, excellent seal properties.

Applications: food packaging freezer film, lamination and sealant film.

Complies with: U.S. FDA 21, CFR 177.1520 (C) 3.2a.

ADDITIVE: Antiblock: None Slip: None Processing Aid & Processing Antioxidant: Yes

Properties	Test Method	Units	Nominal Values
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10min	1.0
Density	ASTM D792	g/cm ³	0.92
Properties			
Tensile strength at yield MD	ASTM D882	Psi/MPa	1500/10
Tensile strength at yield TD	ASTM D882	Psi/MPa	1500/10
Tensile strength at break MD	ASTM D882	Psi/MPa	7000/48
Tensile strength at Break TD	ASTM D882	Psi/MPa	4600/32
Elongation MD	ASTM D882	%	480
Elongation TD	ASTM D882	%	670
1% Secant Modulus MD	ASTM D882	Psi/MPa	25400/175
1% Secant Modulus TD	ASTM D882	Psi/MPa	28300/195
Dart Drop Impact (F ₅₀)	ASTM D1709/A	g	270
Haze	ASTM D1003	%	10
Gloss (45°)	ASTM D2457		59

Film properties are typical of blown film extruded on a 2.5' extruder with 4' die and 100-mildie gap at a blow up ratio of 2, 5:1. But are dependent upon operating conditions.

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