



TECHNICAL DATA SHEET (TDS)

LLDPE LL20-24

LINEAR LOW DENSITY POLYETHYLENE

OVERVIEW:

Injection molding
 General purpose applications, excellent low temperature impact strength, rigidity, stress.
 Very narrow molecular weight distribution.
 Applications: toys, housewares, food containers and pails
 Complies with U.S FDA 21 CFR 177.1520 (c) 3.01a.

ADDITIVE:

Slip: None Antiblock: None Processing Antioxidant: none

Properties	Test Method	Units	Nominal Values
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10min	20
Density	ASTM D792	g/cm ³	0.924
Properties			
Tensile strength at yield MD	ASTM D638	Psi/MPa	1700/11.7
Tensile strength at Break TD	ASTM D638	Psi/MPa	1100/7.58
Elongation Yield	ASTM D638	%	3.0
Elongation Break	ASTM D638	%	60
Flexural Modulus -2%secant	ASTM D386	Psi/MPa	56000/386
Tensile impact Strengt²	ASTM D1822	kJ/m ²	168/80

Film properties are typical of cast film extruded at a melt temperature of 500° F, and a line speed of 800 ft./min.

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