

## LD20-040

### Low Density Polyethylene

**LD20-040** is a certified prime resin developed for EXTRUSION of good clarity Blown Film for packaging of articles requiring good opticals. **LD20-040** features easy processability, and optimal balance of film strength, stiffness, good openability and excellent sealability. Maximum recommended film drawdown is 1.0 mil. **LD20-040** contains medium slip and medium antiblock. **LD20-040** complies with FDA regulation 21CFR 177.1520 (c) 2.2 and most international regulations concerning the use of Polyethylene in contact with food articles.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES	
Melt Flow Rate (190 °C, 2.16kg)	D1238	g/10 min	4.0	
Density	D1505	g/cm <sup>3</sup>	0.922	
Dart Drop Impact (F50, 1.0 mil)	D1709A	g	80	
Film Thickness		mil	1.3	
FILM			MD VALUES	TD VALUES
Tensile Strength @ Break	D882	psi	3480	2470
Tensile Strength @ Yield	D882	psi	1450	1740
Elmendorf Tear Strength	D1922	g	560	160
Tensile Elongation @ Break	D882	%	360	700
Secant Modulus - 1% Secant	D882	psi	27000	33100
OPTICAL			PROCESS	VALUES
Gloss (45° , 1.25 mil)	D2457		Blown Film	70
Haze (1.25 mil)	D1003	%	Blown Film	6.0



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