

## LD20-400

### Low Density Polyethylene

**LD20-400** is a certified prime resin designed for High-Flow INJECTION MOLDING applications requiring good balance of mechanical and low warpage properties. **LD20-400** features very good processability over a wide range of molding conditions, good clarity, excellent flexibility, and high surface appearance of molded articles. **LD20-400** applications include housewares, lids, closures, overcaps, medical parts, and general purpose molded articles. Recommended processing temperature is 170 to 220°C, with mold at 20 to 40°C. **LD20-400** complies with FDR 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
<b>PHYSICAL</b>			
Melt Flow Rate (190 °C, 2.16kg)	D1238	g/10 min	40
Density	D1505	g/cm <sup>3</sup>	0.923
<b>MECHANICAL</b>			
Tensile Impact Strength <sup>2</sup>	D1822	ft-lb/in <sup>2</sup>	35
Tensile Strength @ Yield <sup>2</sup>	D638	psi	2000
Flexural Modulus - 1% Secant <sup>1</sup>	D790	psi	46k
Tensile Elongation @ Break <sup>2</sup>	D638	%	50

Typical Value of Properties not to be construed as specifications

1 - @ 0.051 in/min

2 - @ 2 in/min.



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