

## HD60-70 High Density Polyethylene

**HD60-70** is a Phillips Process Blow Molding certified prime grade designed for containers for packaging of non-aggressive chemicals. **HD60-70** features low to medium swell, easy processability in conventional continuous extrusion equipment, good ESCR, good Impact strength, high Stiffness, improved Barrier, and low Odor and Taste. **HD60-70** processing temperature is 140 to 165°C., with mold 10 to 30°C. **HD60-70** complies with FDA regulation 21CFR 177.520 (c) 3.1(a) + 3.2(a) and with 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	0.70
Density	D1505	g/cm <sup>3</sup>	0.960
HDT Under Load (66 psi Unannealed)	D648	°F	176
Environmental Stress-Cracking Resistance (122 °F, Compression, F50)	D1693B	hr	15
<b>MECHANICAL</b>			
Flexural Modulus <sup>1</sup> - 1% Secant	D790	psi	210k
Tensile Strength @ Yield <sup>2</sup>	D638	psi	4500
Tensile Impact Strength	D1822	ft-lb/in <sup>2</sup>	90
Tensile Elongation @ Break <sup>2</sup>	D638	%	710

Typical Value of Properties not to be construed as specifications

\* Test Made on injection molded Type 1 tension test specimen according to ASTM D2146

1 - @ 0.051 in/min

2 - @ 2 in/min.



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