

## HD55-030U

### High Density Polyethylene

**HD55-030U** is a Hexene copolymer HDPE BLOW MOLDING resin designed to meet end-use requirements of containers for packaging of household and industrial chemical bottles and toys. **HD55-030U** includes process stabilizer and has a good balance of molding properties and toughness. **HD55-030U** complies with U.S. Food and Drug Administration (FDA) regulation 21 CFR 177.1520.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
<b>PHYSICAL</b>			
Melt Flow Rate (190 °C, 2.16kg)	D1238	g/10 min	0.3
Density	D792	g/cm <sup>3</sup>	0.955
Environmental Stress-Cracking Resistance (122 °F, Compression, F50)	D1693	hr	48
<b>MECHANICAL</b>			
Flexural Modulus <sup>1</sup> - 1% Secant	D790	psi	171k
Tensile Strength @ Yield <sup>2</sup>	D638	psi	4500
Elongation @ Break <sup>2</sup>	D638	%	> 900

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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