

Resin Properties⁽¹⁾

	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow Index, g/10 min 190°C/2.16 kg	0.35	D 1238
190°C/21.6 kg (HLMI)	30.0	
Density, g/cm ³	0.955	D 792
Melting Point, °F	264	D 3417

Mechanical Properties⁽¹⁾⁽²⁾

	<u>Typical Value</u>	<u>ASTM Method</u>
Tensile Strength at Yield, psi	4,000	D 638, Type IV specimen, 2 in/min
Elongation at Break, %	600	D-638, Type IV specimen, 2 in/min
Flexural Modulus, psi	200,000	D 790
ESCR ⁽³⁾ , hrs		D 1693, Cond B
100% Igepal	50	
10% Igepal	35	

Processing

Recommendation

Blow Molding Stock Temperature	360 – 400 °F
Extrusion Melt Temperature	380–420 °F

Polyethylene:

High Density Blow Molding Resin⁽⁵⁾

Characteristics

- Good stress cracking resistance
- Excellent stiffness
- Drug Master File listed
- USP Class VI approved
- FDA compliant⁽⁴⁾
- UL 94HB/746 certified

Applications

- Bleach and Detergents
- Industrial chemicals
- Industrial parts
- Suitable for food packaging

- (1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.
(2) The data listed were determined on compression molded specimens and may, therefore, vary from specimens taken from molded articles.
(3) Environmental Stress Crack Resistance (ESCR)
(4) Complies with FDA 21 CFR § 177.1520, Para. (c) 2.1 and 2.2
(5) Anti-stat version available

HDPE 5502 09/2005



1201 Louisiana Street
Suite 1800
Houston, TX 77002

P.O. Box 674411
Houston, TX 77267-4411

Phone: (713) 483-5241
Fax: (713) 483-5252

1-800-344-3462