

<u>Resin Properties</u> ⁽¹⁾	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow Index, g/10 min 190°C/21.6 kg	9.0	D 1238
Density, g/cm ³	0.950	D 792
Melting Point, °F	260	D 3417

Mechanical Properties⁽¹⁾⁽²⁾

Tensile Strength at Yield, psi	3,800	D 638, Type IV specimen, 2 in/min
Elongation at Break, %	600	D-638, Type IV specimen, 2 in/min
Flexural Modulus, psi	175,500	D 790
Notched Izod Impact Strength, ft-lb/in notch	10.0	D256, A 1/8 in thick specimen
ESCR ⁽³⁾ , F ₅₀ , hrs		D 1693, Cond B
100% Igepal	> 600	
10% Igepal	120	

Processing

Recommendation

Blow Molding Stock Temperature	370 – 450 °F
Extrusion Melt Temperature	380 – 480 °F

Polyethylene:

High Molecular Weight
High Density Large Part
Blow Molding Resin

Characteristics

- Good melt strength
- Good stress cracking resistance
- Good rigidity
- Excellent impact strength
- ASTM D4976-89-PE235
- FDA compliant⁽⁴⁾
- UL 94HB/746 certified

Applications

- Industrial Parts
- Pallets
- Large foam parts
- Suitable for food packaging

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(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.
 (2) The data listed was 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

