

<u>Resin Properties</u> ⁽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	0.952	D 792
Melting Point, °F	263	D 3417

<u>Mechanical Properties</u> ⁽¹⁾⁽²⁾	<u>Typical Value</u>	<u>ASTM Method</u>
Tensile Strength at Yield, psi	3,900	D 638, Type IV specimen, 2 in/min
Elongation at Break, %	600	D-638, Type IV specimen, 2 in/min
Flexural Modulus, psi (MPa)	190,000	D 790
ESCR ⁽³⁾ , hrs		D 1693, Cond B
100% Igepal	100	
10% Igepal	50	

Processing

Recommendation

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

Polyethylene:

High Density Blow Molding Resin (Antistat)

Characteristics

- Antistat version of Finathene® 5202
- Exceptional stress cracking resistance
- Good stiffness and impact strength
- FDA compliant⁽⁴⁾
- UL 94HB/746 certified

Applications

- Bleach and Detergents
- Industrial chemicals
- Industrial parts
- Suitable for packaging aggressive liquids
- 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

HDPE 5202LD 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

All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of these products must be guided by the user's own methods for selection of proper formulation. TOTAL PETROCHEMICALS USA, INC. disclaims any responsibility for misuse or misapplication of its products. TOTAL PETROCHEMICALS USA, INC. MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TOTAL PETROCHEMICALS USA, INC. liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.