



<u>Resin Properties</u> <sup>(1)</sup>	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow Index, g/10 min 190°C/2.16 kg	8.0	D 1238
Density, g/cm <sup>3</sup>	0.962	D 792
Melting Point, °F	265	D 3417
 <u>Mechanical Properties</u> <sup>(1)(2)</sup>		
Tensile Strength at Yield, psi	4,800	D 638, Type IV specimen, 2 in/min
Elongation at Break, %	300	D-638, Type IV specimen, 2 in/min
Flexural Modulus, Kpsi	230	D 790
Low Temp. Brittleness, °F	< -112	D 746
ESCR <sup>(3)</sup> , hrs	10	D 1693, B 10% Igepal
 <u>Processing Recommendation</u>		
Injection Molding Melt Temperature	400 – 500 °F	

**HDPE INJECTION MOLDING RESIN**

Characteristics

- Excellent stiffness
- Excellent surface appearance
- Good warp resistance
- Excellent impact resistance
- ASTM D 1248 – Type III, Class A, Category 3
- FDA compliant<sup>(4)</sup>

Applications

- Dairy Crates
- Pallets
- Material handling containers
- Totes
- Trays
- 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 were determined on compression molded specimens and may, therefore, vary from specimens taken from injection molded articles.  
 (3) Environmental Stress Crack Resistance (ESCR)  
 (4) Complies with FDA 21 CFR § 177.1520, Para. (c) 2.1 and 2.2



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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.