



<u>Resin Properties</u> <sup>(1)</sup>	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow Index, g/10 min 190°C/21.6 kg (HLMI)	9.5	D 1238
Density, g/cm <sup>3</sup>	0.950	D 792
Melting Point, °F	260	D 3417
<u>Mechanical Properties</u> <sup>(1)(2)</sup>		
Tensile Strength at Yield, psi	3,800	D 638, Type IV specimen, 2 in/min
Elongation @ Break, %	600	D-638, Type IV Specimen, 2 in/min
Flexural Modulus @ 2% Strain, psi	175,500	D 790
Notched Izod Impact Strength, ft-lb/in	10.0	D256, 1/8-in. thick specimen
ESCR <sup>(3)</sup> F <sub>50</sub> , hrs	>600	D 1693, Cond. B 100% Igepal
<u>Thermal Properties</u> <sup>(1)(2)</sup>		
Heat Distortion Temperature, °F	172	D 648
Thermal Expansion, in/in/°F	1x10 <sup>-4</sup>	D 696
<u>Processing Recommendations</u>		
Extrusion Melt Temperature	390 - 480°F	
Thermoforming Surface Temperature	310 - 360°F	F 1248
<u>Classifications</u>		
Meets GMP.PE.007(General Motors) and ESA-M4D197-A (Ford)		

**Polyethylene:**

High Molecular Weight  
High Density Sheet &  
Thermoforming Resin

**Characteristics**

- Good melt strength
- Excellent stress cracking resistance
- Good stiffness
- Excellent impact strength
- Exceptional forming characteristics

**Applications**

- Sheet extrusion
- Thermoforming
- Truck bed liners
- Dunnage containers
- Large part formed articles

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.  
 (2) The data listed was determined on press molded specimens and may, therefore, vary from specimens taken from extruded sheet or formed products.  
 (3) Environmental Stress Crack Resistance (ESCR)

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