

### **Resin Properties**<sup>(1)</sup>

Melt Flow Index, g/10 min  
190°C/21.6 kg (HLMI)  
Density, g/cm<sup>3</sup>  
Melting Point, °F

### **Typical Value**

6.0  
0.946  
260

### **ASTM or ISO Method**

ISO 1133  
ISO 1183  
D 3417

### **Mechanical Properties**<sup>(1)(2)</sup>

Tensile Strength at Yield, MPa  
  
Elongation @ Break, %  
  
Flexural Modulus @ 0.4% Strain, MPa  
Notched Izod Impact Strength, ft-lb/in  
ESCR<sup>(3)</sup>, F<sub>50</sub>, hrs

24.0  
  
> 600  
  
1,100  
12.0  
> 1000

ISO 527,  
50 mm/min  
ISO 527,  
50 mm/min  
ISO 178  
D 256, A 1/8 in thick specimen  
D 1693, cond. B  
100% Igepal

### **Processing**

### **Recommendation**

Blow Molding Stock Temperature 370 – 450 °F

### **Polyethylene:**

High Molecular Weight  
High Density Fuel Tank Resin

### **Characteristics**

- Good melt strength
- Excellent impact and creep resistance
- Excellent stress cracking resistance
- GMP.PE.062 certification

### **Applications**

- Automotive fuel tanks

(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)