

Resin Properties⁽¹⁾

Melt Flow Index, g/10 min
190°C/21.6 kg (HLMI)
Density, g/cm³
Melting Point, °F

Typical Value

6.0
0.946
260

ASTM or ISO Method

ISO 1133
ISO 1183
D 3417

Mechanical Properties⁽¹⁾⁽²⁾

Tensile Strength at Yield, MPa

Elongation @ Break, %

Flexural Modulus @ 0.4% Strain, MPa
Notched Izod Impact Strength, ft-lb/in
ESCR⁽³⁾, F₅₀, 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)