

<u>Resin Properties</u> ⁽¹⁾	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow Index, g/10 min 190°C/2.16 kg	0.28	D 1238
190°C/21.6 kg (HLMI)	20.0	
Density, g/cm ³	0.947	D 792
Melting Point, °F	259	D 3417
<u>Mechanical Properties</u> ⁽¹⁾⁽²⁾		
Tensile Strength at Yield, psi	3,300	D 638, Type IV specimen, 2 in/min
Elongation @ Break, %	> 600	D-638, Type IV Specimen, 2 in/min
Flexural Modulus @ 2% Strain, psi	115,000	D 790
Shore Hardness, D Scale	63	D 2240
ESCR ⁽³⁾ , hrs	>1,000	D 1693, cond. C; 100% Igepal
	> 500	D1693, cond. B, 10% Igepal
Thermal Expansion, in/in/°F	1 x 10 ⁻⁴	D696
ASTM Cell Classification	335440	D3350

Processing

Recommendations

Extruder Temperature Range	380 – 420°F
Melt Temperature During Processing	400°F
Vacuum Tank Water Temperature	73°F

- (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 pipes.
 (3) Environmental Stress Crack Resistance (ESCR)

Polyethylene:

High Density Conduit Resin

Characteristics

- Excellent stress crack resistance
- Good impact strength
- Excellent processability

Applications

- Wire and cable conduit
- Fiber optic innerduct

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