Ineos T60-475-119 Injection Grade Polyethylene (discontinued **)

Categories: Polymer; Thermoplastic; Polyethylene (PE); High Density (HDPE); High Density Polyethylene (HDPE), Injection Molded

Material Notes: Fortiflex® T60-475-119 is a high density polyethylene homopolymer designed specifically for injection molding. This narrow molecular weight distribution resin is a product of Solvay Polymers' innovative technology. Parts fabricated from this material exhibit a glossy surface finish and good impact strength and rigidity. This material meets the Food and Drug Administration requirements of 21CFR 177.1520.

This product information was provided by Solvay Polymers, now a part of the BP Solvay Polyethylene North America joint venture (Nov. 2001).

Innovene is a wholly owned subsidiary of BP Group. The polypropylene and polyethylene products of BP Amoco have been moved to the Innovene Division in 2005. BP Amoco acquired the Fortiflex® Polyethylene product line from Solvay Polymers in November 2001.

Vendors: No vendors are listed for this material. Please click here if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	0.961 g/cc	0.0347 lb/in³	ASTM D4883
Environmental Stress Crack Resistance	3.0 hour	3.0 hour	Cond. B, 10%; ASTM D 1693B
Melt Flow	4.75 g/10 min @Load 2.16 kg, Temperature 190 °C	4.75 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength, Yield	30.34 MPa	4400 psi	2 in/min.; ASTM D638
Elongation at Break	670 %	670 %	2 in/min.; ASTM D638
Flexural Modulus	1.675 GPa	242.9 ksi	Tangent; ASTM D 570
Izod Impact, Notched	0.425 J/cm	0.796 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	129 °C	264 °F	ASTM D1525
Brittleness Temperature	-75.0 °C	-103 °F	ASTM D746

Compliance Properties	Metric	English	Comments
FDA	Yes	Yes	

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Materials flagged as discontinued (O) are no longer part of the manufacturer's standard product line according to our latest information. These materials may be available by special order, in distribution inventory, or reinstated as an active product. Data sheets from materials that are no longer available remain in MatWeb to assist users in finding replacement materials.

Users of our Advanced Search (registration required) may exclude discontinued materials from search results.

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's terms of use regarding this information. Click here to view all the property values for this datasheet as they were originally entered into MatWeb.