

Ineos B35-150-134 MDPE (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Molded

Material Notes:

Fortiflex® B35-150-134 is an intermediate density polyethylene copolymer developed for injection blow molding. It exhibits excellent gloss and environmental stress crack resistance (ESCR) in molded containers. 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). This product is not listed in the standard Innovene product line. 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.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-B35-150-134-MDPE-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in ³	ASTM D4883
Melt Flow	1.5 g/10 min @Load 2.16 kg, Temperature 190 °C	1.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61	61	ASTM D2240
Tensile Strength, Yield	18.6 MPa	2700 psi	ASTM D638
Elongation at Break	950 %	950 %	ASTM D638
Flexural Modulus	0.750 GPa	109 ksi	Tangent-Method 1; ASTM D790
Izod Impact, Notched	5.60 J/cm	10.5 ft-lb/in	ASTM D256
Tensile Impact Strength	353 kJ/m ²	168 ft-lb/in ²	ASTM D1822

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	58.0 °C	136 °F	ASTM D648
Vicat Softening Point	120 °C	248 °F	ASTM D1525
Brittleness Temperature	<= -75.0 °C	<= -103 °F	ASTM D746

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