

Ineos G36-24-149 MDPE with Carbon Black (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Carbon Black Filled , MDPE

Material Notes:

Fortiflex® G36-24-149 is a black medium density polyethylene resin designed for sheet extrusion. This resin has excellent environmental stress crack resistance (ESCR) and ultra violet protection. The natural resin, without carbon black, is available as Fortiflex® G36-24-150.2.35% Carbon Black Concentration. 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.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-G36-24-149-MDPE-with-Carbon-Black-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.948 g/cc	0.0342 lb/in ³	ASTM D4883
Environmental Stress Crack Resistance	>= 3000 hour	>= 3000 hour	Condition B and C; ASTM D 1693
Melt Flow	0.27 g/10 min @Load 2.16 kg, Temperature 190 °C	0.27 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	59	59	ASTM D2240
Tensile Strength, Ultimate	27.5 MPa	3990 psi	ASTM D638
Tensile Strength, Yield	17.5 MPa	2540 psi	ASTM D638
Elongation at Break	>= 800 %	>= 800 %	ASTM D638
Flexural Modulus	0.580 GPa	84.1 ksi	Tangent-Method 1; ASTM D790
Izod Impact, Notched	4.00 J/cm	7.49 ft-lb/in	Partial Break; ASTM D256

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -75.0 °C	<= -103 °F	ASTM D746

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