

Ineos G36-10-150 HDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

G36-10-150 is a medium density hexene copolymer polyethylene resin designed for the blown geomembrane sheet process. This resin is especially well suited for the production of textured geomembranes.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-G36-10-150-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.937 g/cc	0.0339 lb/in ³	ASTM D4883 (Natural)
Environmental Stress Crack Resistance	>= 3000 hour	>= 3000 hour	Single Point Method; ASTM D5397
Oxidative Induction Time (OIT)	>= 100 min	>= 100 min	200 ^o C
High Load Melt Index	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength at Break	27.6 MPa	4000 psi	2 in/min.; ASTM D638
Tensile Strength, Yield	17.2 MPa	2490 psi	2 in/min.; ASTM D638
Elongation at Break	>= 800 %	>= 800 %	2 in/min.; ASTM D638
Flexural Modulus	0.655 GPa	95.0 ksi	Tangent-Method 1; ASTM D790
Izod Impact, Notched	6.00 J/cm	11.2 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -75.0 ^o C	<= -103 ^o F	ASTM D 746

Descriptive Properties	Value	Comments
Process	Extrusion	

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