

Ineos A4040 HDPE

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

Material Notes:

Ineos HDPE A4040 is a high density polyethylene copolymer produced using a supported catalyst process. It is a copolymer resin used mainly for the extrusion of crosslinked pipes according to the silane process.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-A4040-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.947 g/cc	0.0342 lb/in ³	ASTM D4883
Melt Flow	3.5 g/10 min @Load 2.16 kg, Temperature 190 °C	3.5 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 at Break	27.0 MPa	3920 psi	2 in/min.; ASTM D638
Tensile Strength, Yield	23.0 MPa	3340 psi	2 in/min.; ASTM D638
Elongation at Break	>= 600 %	>= 600 %	2 in/min.; ASTM D638

Descriptive Properties	Value	Comments
Process	Pipe Extrusion	

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