

Ineos CP53-30 Polyethylene Copolymer

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

Material Notes:

CP53-30 is a high density polyethylene copolymer developed for corrugated piping applications. This product is recommended for use in applications that are required to meet AASHTO specifications M 294/MP 7. CP53-30 conforms to ASTM D3350 cell classification 435560A and is listed as a PPI Third Party Certified resin.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-CP53-30-Polyethylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.953 g/cc	0.0344 lb/in ³	ASTM D4883
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	SP-NCLS; ASTM F2136
High Load Melt Index	0.35 g/10 min @Load 21.6 kg, Temperature 190 Â°C	0.35 g/10 min @Load 47.6 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
Tensile Strength at Break	31.7 MPa	4600 psi	2 in/min; ASTM D638
Tensile Strength, Yield	26.9 MPa	3900 psi	2 in/min; ASTM D638
Elongation at Break	>= 600 %	>= 600 %	2 in/min; ASTM D638
Elongation at Yield	9.3 %	9.3 %	2 in/min; ASTM D638
Flexural Modulus	1.16 GPa	168 ksi	2% Secant-Method; ASTM D790

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

Descriptive Properties	Value	Comments
Process	Pipe Extrusion	
Region	US & Canada	Bamberger Polymers Distribution

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