

Polimeri Europa Eraclene® PF 92 High Density Polyethylene - Pipe Grade Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Pipe Grade

Material Notes:

Eraclene PF 92 is a homopolymer high density polyethylene resin (HDPE) with antioxidants, suitable for pipe application. It is characterized by high rigidity, high impact strength and low swelling. Eraclene PF 92 has an intermediate molecular weight distribution which perfectly balances overall performances with ease of processing. Main Applications: Eraclene PF 92 is recommended for the production of structured wall pipes when high rigidity is required. It can be used for the production of sheets and profiles. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Eraclene-PF-92-High-Density-Polyethylene-Pipe-Grade-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 g/cc	0.960 g/cc	ISO 1183
Melt Flow	0.70 g/10 min	0.70 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	2.6 g/10 min	2.6 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	
	45 g/10 min	45 g/10 min	ISO 1133
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ISO 868/A
Tensile Strength at Break	30.0 MPa	4350 psi	ISO 527
Tensile Strength, Yield	31.0 MPa	4500 psi	ISO 527
Elongation at Break	>= 800 %	>= 800 %	ISO 527
Flexural Modulus	1.50 GPa	218 ksi	ISO 178

Thermal Properties	Metric	English	Comments
Melting Point	138 °C	280 °F	Internal method
Vicat Softening Point	128 °C	262 °F	ISO 306/A
	@Load 1.00 kg	@Load 2.20 lb	
Brittleness Temperature	<= -60.0 °C	<= -76.0 °F	ASTM D746

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