

Polymer Industries Densetec HDPE Sheet

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

Polymer Industry's Densetec High Density Polyethylene sheet exhibits the properties of high impact strength, abrasion resistance, and low coefficient of friction. The material is also moisture, stain and odor resistant, and is FDA approved to be used in the food processing industry. The material's durability makes it ideally suited for a variety of applications such as water tanks, chute linings and numerous industrial uses. Information provided by Polymer Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polymer-Industries-Densetec-HDPE-Sheet.php

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in ³	ASTM D1505
ESCR 100% Igepal®	35 hour	35 hour	CO-630; Condition B; ASTM D1693
	45 hour	45 hour	CO-630; Condition A; ASTM D1693
Melt Index of Compound	0.25 g/10 min @Load 2.16 kg, Temperature 190 °C	0.25 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.0 MPa	4060 psi	2in (50mm) per min.; ASTM D638 Type 4
Elongation at Break	>= 600 %	>= 600 %	2in (50mm) per min.; ASTM D638 Type 4
Flexural Modulus	1.378 GPa	199.9 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
CTE, linear	126 µm/m-°C	70.0 µin/in-°F	ASTM E831
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Brittleness Temperature	<= -84.0 °C	<= -119 °F	ASTM D746
Flammability, UL94	HB	HB	

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