

Polikim High Density Polyethylene (HDPE)

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

Material Notes:

High density polyethylene is preferred when resistance to chemicals and weather is the priority. As it can be supplied in large dimensions and can be welded, its use in construction of tanks and waste water purification applications is ideal. It must not be treated equal to Ulpolen® group of products. There are some principal differences between the two types among which wear resistance is the major one. Wear resistance of high density polyethylene is distinctively lower. Information provided by Polikim Polimer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polikim-High-Density-Polyethylene-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ISO 1183
Water Absorption at Saturation	0.00 %	0.00 %	ISO 62

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ISO 868
Tensile Strength, Ultimate	19.6 MPa	2840 psi	ISO 527
Charpy Impact Unnotched	NB	NB	ISO 179

Thermal Properties	Metric	English	Comments
CTE, linear	150 µm/m-°C	83.3 µin/in-°F	ISO 11359
Maximum Service Temperature, Air	70.0 °C	158 °F	continuous
Minimum Service Temperature, Air	-25.0 °C	-13.0 °F	

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