

Rochling Engineered Plastics Polystone® G HDPE Extruded Sheet

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

Material Notes:

Information provided by Röchling Engineered Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Rochling-Engineered-Plastics-Polystone-G-HDPE-Extruded-Sheet.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ASTM D792
Water Absorption	<= 0.10 %	<= 0.10 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	67	67	ASTM D785
Tensile Strength, Yield	20.7 MPa	3000 psi	ASTM D638
Flexural Modulus	0.793 GPa	115 ksi	ASTM D790
Izod Impact, Notched	1.66 J/cm	3.10 ft-lb/in	@ 73°F; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	198 µm/m-°C	110 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	79.4 °C	175 °F	ASTM D648

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