

CPC - Vycom SEABOARD™ Premier High density polyethylene (HDPE)

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

Material Notes:

Seaboard High Density Polyethylene (HDPE) is the toughest marine grade polymer sheet available. This UV stable product has scratch resistance, excellent impact, and stiffness, yet it is easy to machine and fabricate for the most demanding marine and boat applications. FEATURES AND BENEFITS Stability- Seaboard is stress relieved and UV stabilized specifically for harsh marine environments. Strength- Seaboard is the toughest marine high density polyethylene (HDPE) available on the market. Inert- Seaboard is impervious to the salt and moisture on boats. Thermal resistance- Seaboard has a high heat distortion temperature to resist "softening". Hardness- Seaboard resists scratching better than the other marine polymers. Food Safe- Seaboard sheets meet FDA requirements for use in applications where they may come in contact with food. Consistency- Seaboard sheet are extruded and exhibit consistent color and dimensional characteristics. Information provided by Compression Polymers Corp - Vycom

Order this product through the following link:

http://www.lookpolymers.com/polymer_CPC-Vycom-SEABOARD-Premier-High-density-polyethylene-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	25 hour	25 hour	F50; ASTM D1693
	>= 500 hour	>= 500 hour	F50; ASTM D2561

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ASTM D2240
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D638
Flexural Strength	35.0 MPa	5070 psi	ASTM D790
Flexural Modulus	1.79 GPa	260 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.2 °C	180 °F	ASTM D648
Vicat Softening Point	130 °C	266 °F	ASTM D1525
Brittleness Temperature	-76.1 °C	-105 °F	ASTM D746

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