

## CPC - Vycom POLYCARVE™ Coextruded High Density Sheet (HDPE)

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

### Material Notes:

PolyCarve™ thermoplastic engraving sign stock made to permanently resist the destructive outdoor elements, and certain indoor environments. PolyCarve is a high density, UV stabilized polyethylene consisting of two skins (nominal thickness of .090-.100") outside a core of a different color. This creative color contrast makes it ideal for engraving signs, pictures, company logos and more. FEATURES AND BENEFITS UV Stable- Polycarve is stabilized for long outdoor exposure. Colors- Polycarve is available in many standard color sequences. Strength- Polycarve has excellent physical properties to endure the test of time. Machinability- Polycarve is easily machined and finished with conventional tooling. Consistency- Polycarve is extruded for the best dimensional tolerances and consistency. Information provided by Compression Polymers Corp - Vycom

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CPC-Vycom-POLYCARVE-Coextruded-High-Density-Sheet-HDPE.php](http://www.lookpolymers.com/polymer_CPC-Vycom-POLYCARVE-Coextruded-High-Density-Sheet-HDPE.php)

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in <sup>3</sup>	ASTM D1505
Environmental Stress Crack Resistance	>= 5.0 hour	>= 5.0 hour	F50; ASTM D1693
	>= 500 hour	>= 500 hour	F50; ASTM D2561

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	68	68	ASTM D2240
Tensile Strength, Ultimate	30.3 MPa	4400 psi	ASTM D638
Elongation at Break	>= 600 %	>= 600 %	ASTM D638
Flexural Modulus	1.52 GPa	220 ksi	ASTM D790
Tensile Impact	53.4 J/cm	100 ft-lb/in	ASTM D1822

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	77.8 °C	172 °F	ASTM D648
Vicat Softening Point	125 °C	257 °F	ASTM D1525
Brittleness Temperature	<= -7.78 °C	<= 18.0 °F	ASTM D746

## Contact Songhan Plastic Technology Co.,Ltd.

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