

# HDU Sign Board



## PRODUCT OVERVIEW

- Replace wood for carved signs
- Use a variety of “carving” techniques to form, including routing, sand-blasting and carving with wood working tools
- Good surface structure
- Easily shaped and machined
- Less Dust
- Less Voids
- Many Standard Thicknesses
- Several Densities Available

## PHYSICAL PROPERTIES

Design and Styling with RAKU-TOOL	RAKU-TOOL SB-0160	RAKU-TOOL SB-0240	RAKU-TOOL SB-0320
Color	Light Gray	Light Green	Apricot
Density (ISO 1183) $g/cm^3$   $lb/ft^3$	0,16   <b>10.0</b>	0,24   <b>15.0</b>	0,32   <b>20.0</b>
Key Properties	<ul style="list-style-type: none"> <li>• Light weight and smooth surface</li> <li>• Easily shaped, low dust</li> <li>• Resistant to organic solvents</li> </ul>	<ul style="list-style-type: none"> <li>• Good surface structure</li> <li>• Easily shaped and machined</li> <li>• Resistant to organic solvents</li> </ul>	<ul style="list-style-type: none"> <li>• Very good surface structure</li> <li>• Easily shaped and machined</li> </ul>
Hardness (ISO 868) Shore D	—	—	—
Coefficient of thermal expansion (ISO 11359) $10^{-6} K^{-1}$   $in/in/^\circ F \times 10^{-6}$	25 - 35   <b>14 - 19</b>	60 - 70   <b>33 - 39</b>	60 - 65   <b>33 - 36</b>
Deflection temperature (ISO 75) $^\circ C$   $^\circ F$	—	55 - 65   <b>130 - 150</b>	60 - 70   <b>140 - 158</b>
Compressive strength (ISO 604) MPa   <b>psi</b>	2 - 3   <b>280-430</b>	2 - 4   <b>290 - 570</b>	5 - 7   <b>720 - 1,000</b>
Flexural strength (ISO 178) MPa   <b>psi</b>	2 - 3   <b>280 - 430</b>	5 - 6   <b>720 - 850</b>	6 - 8   <b>850 - 1,100</b>
Dimensions mm   <b>in</b>	<b>4 x 24 x 96</b> <b>6 x 24 x 96</b> <b>8 x 24 x 96</b>	<b>4 x 24 x 96</b> <b>8 x 24 x 96</b> <b>2 x 48 x 96</b> <b>4 x 48 x 96</b>	<b>4 x 24 x 96</b> <b>6 x 24 x 96</b> <b>8 x 24 x 96</b> <b>2 x 48 x 96</b> <b>4 x 48 x 96</b>
Applications	Styling & design models Data control models	Styling & design models Data control models	Styling & design models Data control models



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