



## Polyurethane Based, Modeling Board Materials VAL-720

Filled polyurethane medium density, good dimensional stability and very good cell structure, easy workable by milling machine, performing good shaving.

<b>Application</b>	<ul style="list-style-type: none"> <li>● Master models</li> <li>● Data control models</li> <li>● Deep drawing tools</li> <li>● Foundry patterns</li> <li>● Checking fixture and many more</li> </ul>																		
<b>Key Properties</b>	<ul style="list-style-type: none"> <li>● Good impact and abrasion resistance</li> <li>● High compressive and flexural strength</li> <li>● Easy machinability</li> <li>● Good edge definition</li> </ul>																		
<b>Physical Data</b>	<table border="1"> <thead> <tr> <th></th> <th>Index</th> </tr> </thead> <tbody> <tr> <td>Density g/cm<sup>3</sup> (approx.)</td> <td>0.72± 3%</td> </tr> <tr> <td>Color</td> <td>Light brown</td> </tr> <tr> <td>Compressive Strength MPa (DIN EN ISO 604)</td> <td>15-20</td> </tr> <tr> <td>Flexural strength, (DIN EN ISO 178)</td> <td>21-25 N/mm<sup>2</sup></td> </tr> <tr> <td>Linear Thermal Expansion Co-efficient</td> <td>55-60 x10<sup>-6k-1</sup></td> </tr> <tr> <td>Abrasion resistance, Taber value</td> <td>1000-1100mm<sup>3</sup></td> </tr> <tr> <td>Shore D (DIN 53505)</td> <td>65</td> </tr> <tr> <td>Heat distortion, ISO 75</td> <td>83°C</td> </tr> </tbody> </table>		Index	Density g/cm <sup>3</sup> (approx.)	0.72± 3%	Color	Light brown	Compressive Strength MPa (DIN EN ISO 604)	15-20	Flexural strength, (DIN EN ISO 178)	21-25 N/mm <sup>2</sup>	Linear Thermal Expansion Co-efficient	55-60 x10 <sup>-6k-1</sup>	Abrasion resistance, Taber value	1000-1100mm <sup>3</sup>	Shore D (DIN 53505)	65	Heat distortion, ISO 75	83°C
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<b>Storage</b>	Boards, finished tools and models should be stored flat in dry conditions. Temperature variations should be kept as moderate as possible.																		
<b>Handling &amp; Precaution</b>	<b>Valpolymer</b> products are generally quite harmless to handle provided that certain precautions normally taken when handling chemicals are observed.																		

Available dimension (length x wide x thickness/mm):

1500 X 500 X 50

1500 x 500 x 75

1500 x 500 x 100

[www.val-tool.com](http://www.val-tool.com)

**Valpolymer S.r.l**

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