



Polyurethane Based, Styling Board Materials VAL-180

Filled polyurethane foam low density, good compression resistance and dimensional stability. Uniform cell structure, easy workable by hand or machine.

Application	<ul style="list-style-type: none"> ● Mock-up and milling program trials 																		
Key Properties	<ul style="list-style-type: none"> ● Good impact and abrasion resistance ● Easy machinability ● Good edge definition 																		
Physical Data	<table> <thead> <tr> <th></th> <th>Index</th> </tr> </thead> <tbody> <tr> <td>Density g/cm³ (approx.)</td> <td>0.18</td> </tr> <tr> <td>Color</td> <td>Light grey</td> </tr> <tr> <td>Compressive Strength MPa (DIN EN ISO 604)</td> <td>2-3 N/mm²</td> </tr> <tr> <td>Flexural strength, (DIN EN ISO 178)</td> <td>2-4 N/mm²</td> </tr> <tr> <td>Linear Thermal Expansion Co-efficient</td> <td>55-60 x10^{-6k-1}</td> </tr> <tr> <td>Abrasion resistance, Taber value</td> <td>N</td> </tr> <tr> <td>Shore D (DIN 53505)</td> <td>30-35</td> </tr> <tr> <td>Heat distortion, ISO 75</td> <td>83°C</td> </tr> </tbody> </table>		Index	Density g/cm ³ (approx.)	0.18	Color	Light grey	Compressive Strength MPa (DIN EN ISO 604)	2-3 N/mm ²	Flexural strength, (DIN EN ISO 178)	2-4 N/mm ²	Linear Thermal Expansion Co-efficient	55-60 x10 ^{-6k-1}	Abrasion resistance, Taber value	N	Shore D (DIN 53505)	30-35	Heat distortion, ISO 75	83°C
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Storage	Boards, finished tools and models should be stored flat in dry conditions. Temperature variations should be kept as moderate as possible.																		
Handling & Precaution	Valpolymer 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 100

1500 x 500 x 150

www.val-tool.com

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