



Polyurethane Based, Tooling Board Materials VAL- 1660

Aluminium filled polyurethane board with high hardness..

Application	<ul style="list-style-type: none"> ● Foundry patterns ● Sheet metal forming ● Vacuum forming ● PU moulds 																		
Key Properties	<ul style="list-style-type: none"> ● Aluminium filled ● Good thermal resistance ● Good compression ● Good polishing 																		
Physical Data	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;"></th> <th style="text-align: right;">Index</th> </tr> </thead> <tbody> <tr> <td>Density g/cm³ (approx.)</td> <td style="text-align: right;">1.65 ± 3%</td> </tr> <tr> <td>Color</td> <td style="text-align: right;">Grey aluminium</td> </tr> <tr> <td>Compressive Strength MPa (DIN EN ISO 604)</td> <td style="text-align: right;">100-110</td> </tr> <tr> <td>Flexural strength, (DIN EN ISO 178)</td> <td style="text-align: right;">80-85 N/mm²</td> </tr> <tr> <td>Linear Thermal Expansion Co-efficient</td> <td style="text-align: right;">40-45 x10^{-6k-1}</td> </tr> <tr> <td>Abrasion resistance, Taber value</td> <td style="text-align: right;">400-500mm³</td> </tr> <tr> <td>Shore D (DIN 53505)</td> <td style="text-align: right;">91</td> </tr> <tr> <td>Heat distortion, ISO 75</td> <td style="text-align: right;">90°C</td> </tr> </tbody> </table>		Index	Density g/cm ³ (approx.)	1.65 ± 3%	Color	Grey aluminium	Compressive Strength MPa (DIN EN ISO 604)	100-110	Flexural strength, (DIN EN ISO 178)	80-85 N/mm ²	Linear Thermal Expansion Co-efficient	40-45 x10 ^{-6k-1}	Abrasion resistance, Taber value	400-500mm ³	Shore D (DIN 53505)	91	Heat distortion, ISO 75	90°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):

1000 x 500 x 50

1000 x 500 x 75

1000 x 500 x 100

www.val-tool.com

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