



# TOOLING BOARD SELECTOR CHART

## Low Density Polyurethane

Product	BP80	BP150	BP240	BP350	BP450
Colour	Cream	Light Green	Peach	Apricot	Orange
Density (Kg/m <sup>3</sup> )	80	150	240	350	450
Applications	Design models Styling models Master models Arts & crafts	Master models Design models Arts and crafts Architectural models	Master models Design models Arts and crafts Architectural models Inspection models	Master models Design models Cubing models Laminating models	Styling models Master models Design models Laminating models
Key Properties	Excellent milling properties Low dust formation Excellent surface quality High Tg	Excellent milling properties Low dust formation Fine surface structure Good dimensional stability	Excellent milling properties Low dust formation Fine surface structure Good dimensional stability	Fine surface structure Easily shaped and machined Good dimensional stability Creates shavings	Fine surface structure Excellent milling properties Creates shavings Good dimensional stability
Hardness (Shore D)	28 (Shore A)	9 (42 shore A)	23	35	40
Coefficient of thermal expansion (10 <sup>6</sup> K <sup>-1</sup> )	80	65	65	60	52
Glass transition temperature (Tg) °C	100	76	79	72	70
Compressive strength (MPa)	0.7	1.6	3.6	7	9.5
Flexural strength (MPa)	1.05	2.2	5.1	9	10
Thermal conductivity @ 10°C (W/mK)	0.027	0.033	N/A	N/A	N/A
Dimensions mm (Length x Width)	2500mm x 1200mm	2000mm x 1000mm	2000mm x 1000mm	1500mm x 500mm 2000mm x 1000mm	1500mm x 500mm x
Thickness	50mm, 100mm, 150mm, 200mm	50mm, 100mm, 150mm, 200mm	50mm, 100mm, 150mm, 200mm	50mm, 75mm, 100mm, 200mm	50mm, 100mm, 150mm, 200mm