



# TOOLING BOARD SELECTOR CHART

## High Density Polyurethane

Product	BP1100	BP1250	BP1400
Colour	Ivory	Emerald Green	Cobalt Blue
Density (Kg/m <sup>3</sup> )	1100	1250	1400
Applications	Foundry patterns Master models Vacuum forming moulds Core boxes Tooling jigs Fixtures	Foundry patterns Hammer forms Core boxes Pattern plates Vacuum forming moulds Metal forming Jigs & fixtures	Patterns, jigs & fixtures Vacuum forming moulds Metal forming
Key Properties	Excellent surface finish Low CTE & high TG Good dimensional stability High compressive strength Easily machined	Excellent surface structure Polishable Low CTE & high TG Good dimensional stability High abrasion resistance High mechanical properties High impact strength	Excellent surface finish Low CTE & high TG Good dimensional stability High compressive strength Easily machined
Hardness (Shore D)	84	85	85
Coefficient of Thermal Expansion (10 <sup>-6</sup> K <sup>-1</sup> )	45	80	42
Deflection Temperature (Tg) °C	85	85	92
Compressive Strength (MPa)	55	75	100
Flexural Strength (MPa)	50	87	100
Dimensions mm (Length x Width x Depth)	1524 x 608 1000 x 500	1516 x 608 1000 x 500	1516 x 608 1000 x 500
Thickness mm	30 50 75 100	30 50 75 100	30 50 100