



TOOLING BOARD SELECTOR CHART

Medium Density Polyurethane

Product	BP700	BP750	BP850
Colour	Brown	Aquamarine	Grey
Density (Kg/m ³)	700	750	850
Applications	Master models Cubing models Working models Vacuum forming tools Architectural models	Foundry patterns Master models Laminating tools Design models Cubing models	Foundry patterns Jigs and fixtures Master templates Laminating tools Thermoforming tools
Key Properties	Very fine surface structure Low CTE Good temperature resistance Easily machined Good dimensional stability	Very fine surface structure Low CTE Good dimensional stability High mechanical strength Good dimensional stability Good temperature resistance	Excellent surface structure Low CTE & high TG Good dimensional stability High mechanical strength Excellent dimensional stability
Hardness (Shore D)	70	72	70
Coefficient of Thermal Expansion (10 ⁻⁶ K ⁻¹)	45	40	47
Deflection Temperature (Tg) °C	70	93	94
Compressive Strength (MPa)	35	48	46
Flexural Strength (MPa)	25	45	49
Dimensions mm (Length x Width x Depth)	1524 x 608	1524 x 608	1524 x 608
Thickness mm	30 50 75 100 150 200	30 50 75 100	30 50 75 100