

TRICAST 6 POLYURETHANE FOAM

Tricast 6 is a high density rigid polyurethane foam, suitable for use in GRP fabrications, particularly boat decks, where lightness, low resin uptake, and costs are important considerations. It is also available in scored and pre-cut kit forms. **Tricast 6** does not contain any substances alleged to deplete the Ozone Layer, i.e. it is ODP-zero, and has a very low calculated G.W.P. (Global Warming Potential) of 1, where CO_2 is a reference value of 1.

TYPICAL PROPERTIES

Thickness:

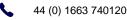
6 - 350mm Width: 600, 1200mm Length: 600, 1200, 2400mm Other sizes on request.

DIMENSIONS

Nominal density			96 kg/m3 (6 lbs/ft3)
Initial thermal conductivity			0.032 W/m ºK @ 10ºC
Closed Cell	BS4370		> 95%
Compressive Strength	ISO 844	Normal to major plane	1,050 kPa
Compressive modulus	ISO 844	Normal to major plane	36,000 kPa
Tensile Strength	ISO 1926	Parallel to major plane	1,060 kPa
Tensile Modulus	ISO1926	Parallel to major plane	19,000 kPa
Cross break strength	BS4370	Perpendicular to major plane	1,600 kPa
Shear Strength	ISO1922	Parallel to major plane	530 kPa
Shear Modulus	ISO1922	Parallel to major plane	6,000 kPa
Upper service temperature limit			100oC
Dimensional stability	BS4370	70°C for 7 days	<+0.5%
		50°C / 100%rh for 7days	<+0.5%
		-20°C for 7 days	No change

APPLICATIONS

Used as a core material in GRP structures to increase stiffness and for load bearing purposes particularly in the field of boat building. Trident Foam have also developed Scoreboard which is available in 80 and 100 kg/m³ has narrow slots cut partway through on both sides of the sheet to enable it to conform to a compound radius making it easy to fabricate sandwich construction. During laminating the slots become filled with resin resulting in a solid construction.



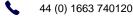
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