

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 CO₂ 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/m ³ (6 lbs/ft ³) |
| Initial thermal conductivity | | | 0.032 W/m °K @ 10°C |
| 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 | | | 100°C |
| Dimensional stability | BS4370 | 70°C for 7 days | <+0.5% |
| | | 50°C / 100%rh for 7 days | <+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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