TRICAST 6 POLYURETHANE FOAM

DESCRIPTION

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.

DIMENSIONS

Thickness:	6 - 300mm
Width:	600, 1200mm
Length:	600, 1200, 2400

Other sizes on request.

TYPICAL PROPERTIES

Nominal density	96kg/m^3 (6lbs/ft^3)
Initial thermal conductivity	0.032 W/m^{o}K @ 10^{o}C (BS874, Anacon)
Closed Cell (BS4370 Part 2 Method 10)	> 95%
Compressive Strength (BS.4370 Prt.1 1968 Method 3)	
Normal to major plane	1050 kPa
Tensile Strength (BS.4370 Prt.2 1973 Method 9)	
Parallel to major plane	1060 kPa
Tensile Modulus	19,000 kPa
Cross break strength (BS 4370 Prt.1 method 4)	
Perpendicular to major plane	1600 kPa
Shear Strength (BS.4370 Prt.2 1973 Method 6)	
Normal to major plane	530 kPa
Shear modulus	6,300 kPa
Upper temperature limit	100 ^{o}C
Dimensional stability (BS 4370 pt.1 method 5A)	
70^{o}C for 7 days	<+0.5%
50^{o}C / 100%rh for 7days	<+0.5%
-20^{o}C for 7 days	No change

APPLICATIONS

High-density foam is 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 100kg/M^3 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.

Whilst the information above is true and accurate to the best of our knowledge and belief, all liability for errors and omissions, damage or loss resulting here from is hereby excluded. Recommendations for use should be verified as to suitability and compliance with actual requirements, specifications and any applicable laws and regulations.