

**TANCAST 10 POLYURETHANE FOAM**

**DESCRIPTION**

Tancast 10 is a high density rigid polyurethane foam.

Standard block Dimensions:

Thickness:	150 - 300mm
Width:	1000mm
Length:	1000mm
Other sizes on request.	

**TYPICAL PROPERTIES**

Nominal density	160 kg/m <sup>3</sup> (10lbs/ft <sup>3</sup> )
Initial thermal conductivity	-
Closed Cell	> 97%
Compressive Strength (BS.4370 Pt.1 1968 Method 3) Perpendicular to major plane	2000 kPa
Compressive Strength (BS.4370 Pt.1 1968 Method 3) Parallel to major plane	1700 kPa
Tensile Strength (BS.4370 Pt.2 1973 Method 9) Parallel to major plane	Not available.
Cross break strength (BS 4370 pt.1 method 4) Perpendicular to major plane	3200 kPa
Cross break strength (BS 4370 pt.1 method 4) Parallel to major plane	2800 kPa
Upper service temperature limit	70°C
Dimensional stability (BS 4370 pt.1 method 5A)	
70°C for 7 days	-1.5%
50°C / 100%rh for 7days	<+0.5%
-20°C for 7 days	No change

**APPLICATION**

Used by the Engineering business for CNC Machining, Tancast 10 can be carved easily enabling small prototypes to be made, it is also used in the model making industry.