

## TANCAST 16 POLYURETHANE FOAM

### DESCRIPTION

Tancast 16 is a high density rigid polyurethane foam.

Standard block Dimensions:

Thickness:	150 - 300mm
Width:	1000mm
Length:	2000mm
Other sizes on request.	

### TYPICAL PROPERTIES

Nominal density	256 kg/m <sup>3</sup> - (16lbs/ft <sup>3</sup> )
Initial thermal conductivity	0.045 W/m <sup>2</sup> K @ 10°C
Closed Cell	> 97%
Compressive Strength (BS.4370 Pt.1 1968 Method 3)	
Normal to major plane	5,000 kPa
Compressive Modulus	125,000 kPa
Tensile Strength (BS.4370 Pt.2 1973 Method 9)	
Parallel to major plane	4,400 kPa
Tensile Modulus	265,000 kPa
Cross Break Strength (BS 4370 pt.1 method 4)	
Perpendicular to major plane	7,500 kPa
Shear Strength (BS.4370 Pt.2 1973 Method 6)	
Normal to major plane	1,700 kPa
Shear Modulus	20,000 kPa
Upper service temperature limit	70°C
Dimensional Stability (BS 4370 pt.1 method 5A)	
70°C for 7 days	<-1.0 %
50°C / 100%rh for 7days	<+0.5%
-20°C for 7 days	No change

Tancast 16 is ODP-zero, and has a very low calculated G.W.P. (Global Warming Potential) of 1, where CO<sub>2</sub> is used as a reference value of 1.

### APPLICATION

Used by the Engineering business for CNC Machining, Tancast 16 can be carved easily enabling small prototypes to be made, it is also used in the model making industry.