

## TANCAST 8 POLYURETHANE FOAM

**Tancast 8** is a rigid high density polyurethane foam, with an ODP (Ozone Depletion Potential) of zero, and does not contain any HFC's, HFA's or chlorinated hydrocarbons. Tancast 8 has a very low calculated GWP of 1, where CO<sub>2</sub> is a reference value of 1.

### TYPICAL PROPERTIES


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

### DIMENSIONS

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<b>Nominal density</b>			128 kg/m <sup>3</sup> (8 lbs/ft <sup>3</sup> )
<b>Initial thermal conductivity</b>			0.032 W/m °K @ 10°C
<b>Closed Cell</b>	BS4370		> 95%
<b>Compressive Strength</b>	ISO 844	Normal to major plane	1,250 kPa
<b>Compressive modulus</b>	ISO 844	Normal to major plane	39,000 kPa
<b>Tensile Strength</b>	ISO 1926	Parallel to major plane	2,030 kPa
<b>Tensile Modulus</b>	ISO1926	Parallel to major plane	87,200 kPa
<b>Cross break strength</b>	BS4370	Perpendicular to major plane	2,070 kPa
<b>Shear Strength</b>	ISO1922	Parallel to major plane	650 kPa
<b>Shear Modulus</b>	ISO1922	Parallel to major plane	9,000 kPa
<b>Upper service temperature limit</b>			70oC
<b>Dimensional stability</b>	BS4370	70°C for 7 days	< -1.5%
		50°C / 100%rh for 7days	<+0.5%
		-20°C for 7 days	No change

### APPLICATIONS

Used by the Engineering business for CNC Machining, Tancast 8 can be carved easily enabling small prototypes to be made, it is also used in the model making industry.

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