

## TANCAST 10 POLYURETHANE FOAM

**Tancast 10** is a high density rigid polyurethane foam.

**Tancast 10** 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

### TYPICAL PROPERTIES

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


### DIMENSIONS

<b>Nominal density</b>			160 kg/m <sup>3</sup> (10 lbs/ft <sup>3</sup> )
<b>Initial thermal conductivity</b>			0.035 W/m °K @ 10°C
<b>Closed Cell</b>	BS4370		> 95%
<b>Compressive Strength</b>	ISO 844	Normal to major plane	2,000 kPa
<b>Compressive modulus</b>	ISO 844	Normal to major plane	70,000 kPa
<b>Tensile Strength</b>	ISO 1926	Parallel to major plane	2,150 kPa
<b>Tensile Modulus</b>	ISO1926	Parallel to major plane	111,000 kPa
<b>Cross break strength</b>	BS4370	Perpendicular to major plane	3,200 kPa
<b>Shear Strength</b>	ISO1922	Parallel to major plane	1,050 kPa
<b>Shear Modulus</b>	ISO1922	Parallel to major plane	10,700 kPa
<b>Upper service temperature limit</b>			70°C
<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 10 can be carved easily enabling small prototypes to be made, it is also used in the model making industry.

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

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