

**TANCAST 12 POLYURETHANE FOAM**

Tancast 12 is a high density rigid polyurethane foam.

Tancast 12 is ODP-zero and has a very low calculated G.W.P. (Global Warming Potential) of 1, where CO<sub>2</sub> is a reference value of 1.

**TYPICAL PROPERTIES**

**Thickness:** 150 - 260mm    **Width:** 610mm    **Length:** 2440mm  
Other sizes on request.


**DIMENSIONS**

<b>Nominal density</b>			192 kg/m <sup>3</sup> (12 lbs/ft <sup>3</sup> )
<b>Initial thermal conductivity</b>			0.037 W/m °K @ 10°C
<b>Closed Cell</b>	BS 4370		> 97%
<b>Compressive Strength</b>	ISO 844	Normal to major plane	3,340 kPa
<b>Compressive modulus</b>	ISO 844	Normal to major plane	97,300 kPa
<b>Tensile Strength</b>	ISO 1926	Parallel to major plane	3,000 kPa
<b>Tensile Modulus</b>	ISO 1926	Parallel to major plane	158,400 kPa
<b>Cross break strength</b>	BS 4370	Perpendicular to major plane	4,990 kPa
<b>Shear Strength</b>	ISO 1922	Parallel to major plane	1,240 kPa
<b>Shear Modulus</b>	ISO 1922	Parallel to major plane	12,150 kPa
<b>Upper service temperature limit</b>			700c
<b>Dimensional stability</b>	BS 4370	70°C for 7 days	< -2%
		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 12 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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