

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 ³ (10lbs/ft ³) |
| 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 |

Tancast 10 is ODP-zero, and has a very low calculated G.W.P. (Global Warming Potential) of 1, where CO₂ is a reference value of 1.

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.