

# Tancast Material Specifications

Properties	Test Method	Tancast 8	Tancast 10	Tancast 12	Tancast 16	Tancast 20
Density	ISO 845	128 kg/m <sup>3</sup>	160 kg/m <sup>3</sup>	192 kg/m <sup>3</sup>	256 kg/m <sup>3</sup>	320 kg/m <sup>3</sup>
Thermal Conductivity	EN 12667	0.032 W/mK	0.035 W/mK	0.038 W/mK	0.045 W/mK	0.051 W/mK
Upper Temperature Limit		70°C	70°C	70°C	70°C	70°C
Closed Cell Content	BS 4370	95 %	95 %	97 %	97 %	97 %
Compressive Strength	ISO 844	1250 kPa	2000 kPa	3340 kPa	5000 kPa	7600 kPa
Compressive Modulus	ISO 844	39000 kPa	70000 kPa	97300 kPa	125000 kPa	185000 kPa
Tensile Strength	ISO 1926	2030 kPa	2150 kPa	3000 kPa	4400 kPa	5600 kPa
Tensile Modulus	ISO 1926	87200 kPa	111000 kPa	158400 kPa	TBC	TBC
Shear Strength	ISO 1922	652 kPa	1050 kPa	1240 kPa	1700 kPa	2510 kPa
Shear Modulus	ISO 1922	9000 kPa	10700 kPa	12150 kPa	TBC	18350 kPa
Cross Break Strength	BS 4370	2070 kPa	3200 kPa	4990 kPa	5500 kPa	8900 kPa