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DOCUMENT DESCRIPTION
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Material description	High temperature, low density syntactic tooling block grade
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PROPERTY	VALUE	UNITS	TEST METHOD
Colour	Green	-	-
Cured density (metric)	690	kg/m ³	BS ISO 1183-3:1999
Cured density (imperial)	43	lb/ft ³	BS ISO 1183-3:1999
Shore Hardness	75	°D	ISO 868:1998
Tensile Strength	35	MPa	BS EN ISO 527
Tensile Modulus (Young's Modulus)	2,190	MPa	BS EN ISO 527
Uniaxial Compressive Strength	50	MPa	ASTM D695-02a
Uniaxial Compressive Modulus	1,325	MPa	ASTM D695-02a
Shear Strength	20	MPa	ASTM D 732 - 10
Flexural Strength	45	MPa	BS 2782, Part 3, Method 335A
Flexural Modulus	2,180	MPa	BS EN ISO 178 : 2010
Izod Impact Strength (unnotched)	8,000	J/m ²	BS EN ISO 187
Izod Impact Strength (notched)	1,300	J/m ²	BS EN ISO 187
Glass Transition Temperature	150	°C	BS EN ISO 113 57-2
Heat Distortion Temperature	155	°C	ASTM E 2092
Coefficient of Thermal Expansion	42	ppm/°C	ASTM E 228-95
Thermal Conductivity @ 23°C	0.1187	W/mk	ASTM C 518 - 04
Hydrostatic Crush Pressure	11,500	psi	ASTM D2736
Water Absorption @ 3,300 MSW, 24 hrs	< + 1	%	ASTM D2735
Standard Available Dimensional Size	125mm x 1,000 mm x 1,000mm		

ISSUED BY:	Z Akhtar	ISSUE DATE:	14/06/2017
CHECKED BY:	N O'Keefe	CHECK DATE:	14/06/2017

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