

CARPENTER LTD

Typical flammability and physical properties
of Fireseal FO36 Acoustic Foam

DATA SHEET

JUNE 2004

BULLETIN 03

Specification

		Test Method
Density	> 90 kg/M3	BS EN ISO 845
Colour	Dark Grey	
Thickness	5mm to 100mm	
Fire Propagation Index	< 12	BS 476 pt 6
Surface Spread of Flame	Class "1"	BS 476 pt 7
Building Regs. 1991 (Fire Safety)	Class "0"	BS 476 pt 6 & pt 7
Operating Temperature	-30 to 100°C	
UL94 Classification	94 V-0	UL 94
Surface Burning Behaviour	Class A	ASTM E84-95
Air Erosion Resistance (4001 – 6000 fpm)	Pass	ASTM C1071-91 12.7
Fungus Resistance Test	Does not support growth	ASTM G 21
Mildew (Fungus) Resistance	Does not support growth	ASTM D-2020
Water Vapour Sorption	<9%	ASTM C553-92
Thermal Conductivity	0.364 Btu-in./hr-ft ² -°F	ASTM C518-91
Corrosiveness (galvanised steel)	Pass	ASTM C665-95
Hot Surface Performance @ 100°C 96hr	Pass	ASTM C411-97

Acoustic Performance Information

Sound Absorption @ 25mm (Normal Incidence)	NRC > 0.40
Sound Absorption @ 12mm (Random Incidence)	NRC > 0.28
Sound Absorption @ 25mm (Random Incidence)	NRC > 0.50
Sound Absorption @ 50mm (Random Incidence)	NRC > 0.78

The data contained in this bulletin is believed to be accurate at time of going to press. Carpenter Ltd reserves the right to amend product data without prior notification. Carpenter Ltd can assume no liability for results obtained or damages incurred through the application of the data and tests presented.

