DATA SHEET

Black Pyrosorb Class O Foam YG- BCO

INTODUCTION

Yorkshire Gaskets YG-BCO Pyrosorb Foam is treated with a mineral compound to give a nil burn rate that is suited for applications with a high degree of fire risk. The foam is chemically inert, non-dusting and owing to its flexibility, is easily applied to curved surfaces or formed to fit complex shapes.
The foam is also fire resistant and does not support combustion.
YG- BCO gives excellent sound absorption in engine rooms, generator canopies, heavy vehicles and industrial applications.

MAXIMUM WORKING CONDITIONS	
OPERATING TEMPERATURE	30°C TO 100°C
FIRE PERFORMANCE	
EN 13501-1 EURO CLASS*	B-S1,D0
BS 476 PART 6 FIRE PROPAGATION INDEX	<12 >6MM
BS 476 PART 7 SURFACE SPREAD OF FLAME	CLASS 1
BUILDING REGULATIONS PARAGRAPH A13 (B)	CLASS 0
ASTM E84-09 SURFACE BURNING CHARACTERISTIC	FLAME SPREAD INDEX 10 SMOKE DEVELOPED INDEX 20
ASTM C411-04 HOT SURFACE PERFORMANCE @100ºC 96HR	PASS
UL94 CLASSIFICATION	94-V-0
ASTM C1071-05 12.7 AIR EROSION RESISTANCE 6 - 50MM	PASS
ASTM D-2020-92 MILDEW (FUNGUS) RESISTANCE	DOES NOT SUPPORT GROWTH
ASTM G21-96 FUNGUS RESISTANCE TEST	DOES NOT SUPPORT GROWTH
ASTM C1104-06 WATER VAPOUR SORPTION	<9%
ASTM C518-04 THERMAL CONDUCTIVITY	0.32 BTU-IN/FT2-HRºF @6MM

PHYSICAL AND CHEMICAL PROPERTIES	
THICKNESS	6MM -100MM
DENSITY	>90kg/m3
DISTILLED WATER 100°C/4h MAX	ASTM F146

ACOUSTIC PERFORMANCE	
SOUND ABSORPTION @12MM	αw 0.30
SOUND ABSORPTION @25MM	αw 0.45
SOUND ABSORPTION @75MM	αw 0.75

The information given is based upon average values and is in no way intended as a warranty. The purchaser shall be responsible for determining the suitability of the product for any particular application.

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CERTIFICATE NO. 14235
ISO9001

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