



INTRODUCTION

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.



Yorkshire
Gaskets Ltd



@gaskets247



CERTIFICATE NO. 14235
ISO9001

DATA SHEET

Black Pyrosorb Class 0 Foam YG- BCO

| 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 @100°C 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/FT ² -HR°F @6MM |

| PHYSICAL AND CHEMICAL PROPERTIES | |
|----------------------------------|----------------------|
| THICKNESS | 6MM -100MM |
| DENSITY | >90kg/m ³ |
| DISTILLED WATER 100°C/4h MAX | ASTM F146 |

| ACOUSTIC PERFORMANCE | |
|------------------------|-----------------|
| SOUND ABSORPTION @12MM | α_w 0.30 |
| SOUND ABSORPTION @25MM | α_w 0.45 |
| SOUND ABSORPTION @75MM | α_w 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.