

## BF2000 Flame Retardant Silicone Sponge Sheet

*This silicone sponge sheeting is part of our EN-45545 flame retardant range. EN-45545 is a regulation set out by the European Union to standardise the fire testing of materials used in railway applications. This sheeting is a great option for use in any enclosed environment where fire safety is a primary concern. When ignited, the compound will demonstrate low flame propagation, low smoke generation and low emission of toxic gases. This rubber sheeting is available with pressure sensitive adhesive backing. Polymax also provide a fabrication service to create gaskets or strips - please call us for more information.*

### Approvals

EN 45545 HL3 (R22 & R23), GENERAL MOTORS GMW16392 Type 0, UL94 V-0 HF-1, ASTM E 162, ASTM E 662 and SMP-800C.

Operating temperature range: -55°C to 200°C

| Physical Property                            | Test Method | Units | Typical Values      |
|--|-------------|-------|---------------------|
| Elongation at Break                          | ASTM D412   | %     | 80                  |
| Tensile Strength                             | ASTM D412   | MPa   | 0.172               |
| Compression Set ASTM D 1056<br>Test D @ 70°C |             | %     | 0.01                |
| Flame Resistance                             | UL 94       |       | Listed V-0 and HF-1 |
| Flame Spread Index                           | ASTM E162   | Ls    | <25                 |
| Smoke Density @ 4 Minutes                    | ASTM E 662  | Ds    | <50                 |