

# FR Silicone Sponge EN 45545-2

Product Code: RC02119-RAIL

## Key Features

- Designed for the rail industry
- Flame retardant
- Independently tested to EN 45545-2 and UL 94 V-0 standards
- Will self-extinguish and not release toxic fumes or high levels of smoke
- Offers stable chemical structure and good recovery
- Sealing rating up to IP67

## Technical Data

Property	Test Method	Value	
		P16-FR	P24-FR
Density	ISO 845	220 kg/m <sup>3</sup>	550 kg/m <sup>3</sup>
Hardness (Shore OO)	ASTM D2240	55°	75°
Elongation at Break	ISO 1798	130 %	310 %
Tensile Strength	ISO 1798	0.5 MPa	0.9 MPa
Compression Deflection	ASTM 1056	40 kPa	80 kPa
Compression Set	ASTM D395	25 %	15 %
Fire Rating	UL 94 V	V-0 (Pass)	V-0 (Pass)
Limiting Oxygen Index	ISO 4589-2	42.0	43.5
Smoke Density	ISO 5659-2	26.95	32.52
Toxicity	NFX 70-100-1 and 2	<0.021	0.021

## Approvals



The information contained on this product information sheet is to be used as guidance. The advice is given in good faith and does not constitute any guarantee or recommendation for suitability. The Rubber Company cannot be held liable for any damage caused by incorrect installation. We hereby reserve the right to change the technical information herewith without notification or prior agreement.

E [sales@therubbercompany.com](mailto:sales@therubbercompany.com)

W [www.therubbercompany.com](http://www.therubbercompany.com)

T +44 (0) 1794 513 184

The Rubber Company Limited - Registered in England and Wales  
Company Number - 08350831 | VAT Number - GB 156 8355 80

