

High Temperature Silicone Sponge Datasheet

Product Code: RC02101-HT

Product Description

This closed cell sponge provides many of the same properties that our standard grade silicone sponge offers, but with the advantage of a wider temperature range. This means that you get excellent air and watertight properties, as well as a soft and flexible material. This makes it perfect for use in food preparation and pharmaceutical applications. The Rubber Company's High Temperature Silicone Sponge meets the flammability requirements of FAR 25/JAR25/CS 25 Appendix F, Part 1(a)(1)(iv) and (a)(1)(v) horizontal flammability.



Available In -



Full Rolls

Cut to strip

Bespoke Gaskets

Technical Specification

Properties	Test Method	Values			
Grade	-	P10-HT	P16-HT	P24-HT	P33-HT
Compound	-	VMQ	VMQ	VMQ	VMQ
Density	BS EN ISO 845	219 kg/m ³	263 kg/m ³	387 kg/m ³	579 kg/m ³
Hardness (Shore 00)	ASTM D2240	19.1° ±5	51.3° ±5	63.1° ±5	86.2° ±5
Tensile Strength	BS EN ISO 1798	0.23 MPa	0.44 MPa	0.39 MPa	1.26 MPa
Elongation at Break	BS EN ISO 1798	400%	148.9%	142.9%	144%
Compression Set (50%, 22hrs @ 70°C)	BS EN ISO 1856	10%	0.6%	1.0%	4.3%
Compression Set (50%, 22hrs @ 100°C)	BS EN ISO 1856	13.8%	3.5%	4.0%	6.9%
Compression Stress (40% strain)	BS EN ISO 3386 part 1, 2	32 kPa	84.2 kPa	121 kPa	428 kPa
Minimum Temperature	-	-60°C	-60°C	-60°C	-60°C
Maximum Temperature	-	+270°C	+270°C	+270°C	+270°C
Maximum Temperature (intermittent)		+300°C (intermittent)			



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.