



InnoFoam SilicoSponge

DESCRIPTION

InnoFoam Silico-Sponge has excellent compression set and can perform at extreme temperatures. This makes it suitable for many applications.

InnoFoam Silico-Sponge comes in a range of densities from 250kg/m³ (soft) 400 kg/m³ (medium) and 450kg/m³ (firm). Each density can be used for a range of applications depending on compression requirements. InnoFoam Silico-Sponge is closed cell meaning it has extremely low water absorption.

- **UL94V-0 Grades**

InnoFoam Silico-Sponge has been UL approved to V-0 classification as a fire-resistant silicone sponge. Suitable for use within both interior and exterior rail applications

- **EN 45545-2: Low Smoke, Low Toxicity**

InnoFoam Silico-Sponge is specially formulated to provide low smoke and low toxicity properties compliant with EN 45545-2. Find out more about InnoFoam Silico-Sponge which ensures safety within rail carriages in the event of a fire.

- **High Temperature Resistance**

All our silicone rubber grades excel at extreme temperatures of -60°C up to +230°C (250°C intermittently) which provides excellent sealing properties for applications that generate high heat such as HVAC and LED lighting systems within rail carriages.

- **Environmental Resistance**

Silicone has excellent environmental resistance withstanding weathering such as Ozone, UV, rain and frost meaning outdoor applications such as electrical enclosures and lighting systems are kept dry without the risk of ingress from water and dust. Our silicone can achieve IP ratings of IP66.

Silicone rubbers flexibility, strength and durability is ideally placed in train locomotives/ships interior and carriages along with other mass transit sectors such as marine vessels, public transportation and heavy goods vehicles.

Silicone also helps to maintain the structural integrity of a vehicle, helping to ensure all components are secure and resist corrosion from temperature fluctuations, moisture, salt and fuel.