

Data Sheet

PORON 4790-92 Silicone Sponge

Data Sheet Type	Final
Material Reference	PORON 4790-92
Polymer	Silicone
Date Issued	18/05/24



Description

27118 is a highly versatile medium firmness Silicone offering the lightness of a foam with the sealing capabilities of a traditional Sponge Rubber. Use to seal against penetration of dust, moisture, air and light within indoor or outdoor enclosures, such as lighting and electronics and Heating Ventilation and Air Conditioning. This product has, Excellent Memory and low stress relaxation, Good Resistance to Ultraviolet light, ozone, extreme temperatures and flame, FDA Compliance in accordance with FDA Regulation 21 CFR 177.2600
Is available in 0.8mm - 12.7mm with a standard width of 914mm

Specifications	Values	Test Methods
Compression Deflection	62 Kpa	ASTM D1056
Compression Set	< 1 %	ASTM D1056
Density	352 Kg/m3	ASTM D1056
Dielectric Constant	1.42	ASTM D150
Dielectric Strength	3583 kV/m	ASTM D149
Elongation at Break	80 %	ASTM D412
Flame Resistance	V-0 & HF-1	UL94
Flame Spread Index(Is)	< 25	ASTM E162
Highest Recommended Working Temperature	200 °C	In House
Lowest Recommended Working Temperature	-55 °C	In House
Smoke Density(Ds) @ 4 Minutes	< 50	ASTM E662
Smoke Density(Ds) @ 1.5 Minutes	< 20	ASTM E662
Tensile Strength	310 Kpa	ASTM D412
Thermal Conductivity	0.09 W/m.K	ASTM C518
Toxic Gas Emissions	Pass	SMP-800C
Water Absorption	1.4 % 24hrs@RoomTemp	In House

Purposes



Electrical Insulation



Flame Retardent



Low Working Temperature

Important Notes about this Material Data Sheet

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice. All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.