



Technical Data Sheet

General Industrial

PS-2927

Product Description:

PS-2927 is a firm nonconductive silicone foam used for sealing and shock absorption in automotive, aerospace, consumer electronics and industrial applications.

Construction / Properties:

Property	Value				Test Method
Thickness(mm)	0.79 - 18				QSP-726
Color	Black, Gray, Red				--
Hardness (Shore 00)	50				ASTM D2240
Water Absorption (72 hour submerssion)	5%				--
Tensile Strength (kPa)	≤3.18mm	>3.18mm ≤7mm	>7mm- 12.7mm	≤13mm	ASTM D412
	≥300	≥300	≥250	≥200	
Density (kg/m ³)	350±60			330±60	ASTM D1056
Elongation (%)	≥100			≥50	ASTM D1056
Tear Strength (g/mm ²)	246				ASTM D624
Compression Set (%)	≤5 at 100 C / ≤5 at 175 C				ASTM D1056
Total Mass Loss (@125 C/24 hrs)	0.65%				ASTM E595**
Flame Resistance	V0				UL94
Thermal Conductivity (W/m K)	0.17				ASTM C518
Dielectric Breakdown Strength (kV/mm)	>5.0				ASTM D412
Volume Resistivity (Ω cm)	1.06 x 10 ¹⁵				ASTM D257

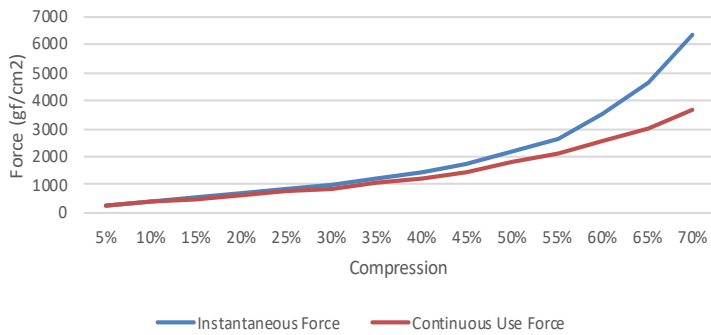
**Tested at atmospheric pressure

Features:

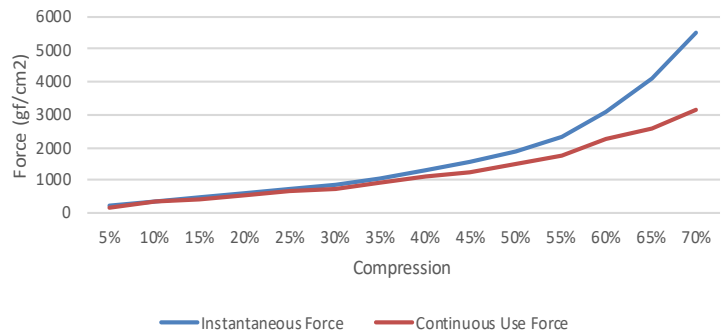
- Good Resistance to Compression Set
- Good Chemical Resistance
- Waterproof: IP68
- Highly Elastic
- Flame Retardant
- Low Water Absorption
- RoHS and HF Compliant
- Shelf Life: 10 years



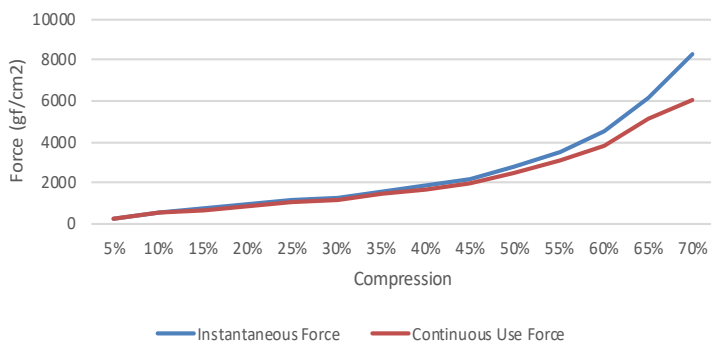
4.0mm Compression Force Deflection



6.0mm Compression Force Deflection



8.0mm Compression Force Deflection



Specific tests should be performed by the end user to determine the product stability for the particular application.

For Additional Information:

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