

Technical Data Sheet

General Industrial

PS-2927-xxTA

Product Description:

PS-2927-xxTA is a firm nonconductive waterproof silicone foam used for sealing and shock absorption in automotive, aerospace, consumer electronics and industrial applications. An acrylic adhesive is supplied on one side of the foam to allow for adhesion to a wide variety of substrates.

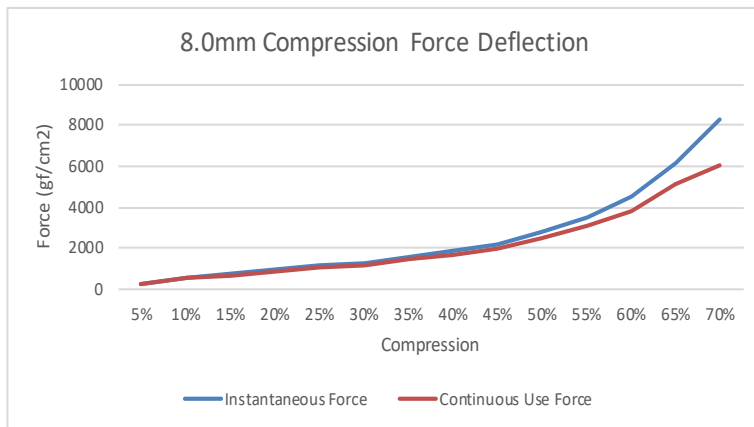
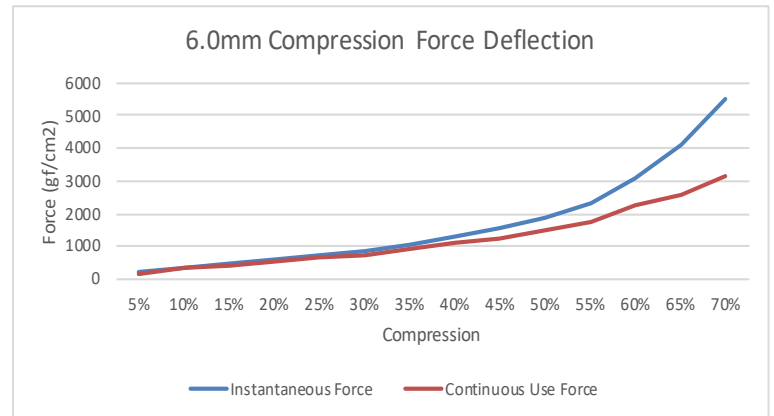
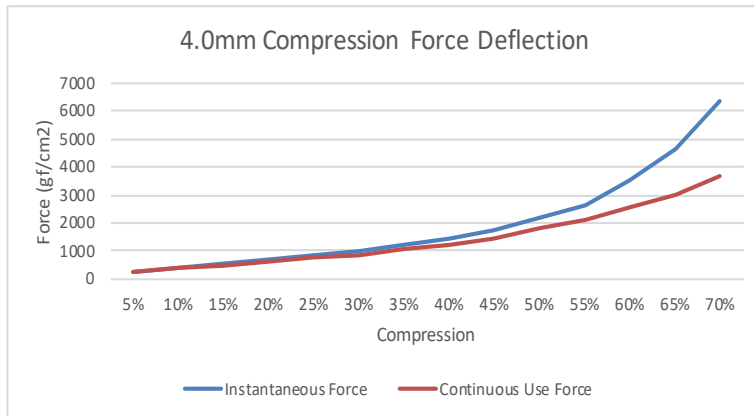
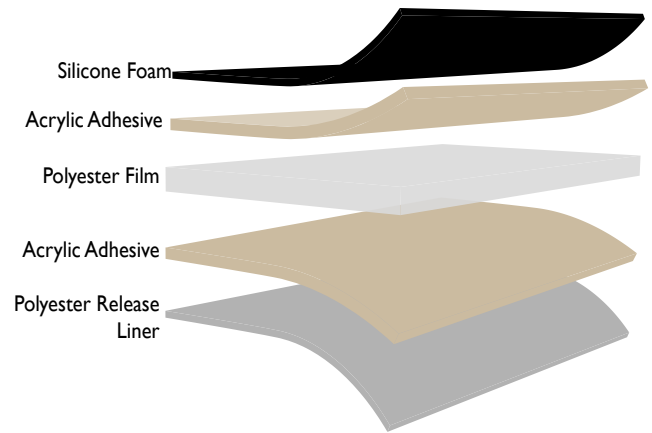
Construction / Properties:

Property	Value			Test Method
Total Thickness without Liners (mm)	0.89 - 12.8			QSP-726
Adhesive Thickness (mm)	0.1			QSP-726
Color	Black, Gray			--
Hardness (Shore 00)	50			ASTM D2240
Density (kg/m ³)	400±50			ASTM D1056
Water Absorption (72 hour submerssion)	5%			--
Waterproof Rating	Ip68			GB/T 4208-2017
Tensile Strength (kPa)	≤3.18mm	>3.18mm≤7mm	>7mm	ASTM D412
	≥300	≥300	≥250	
Elongation (%)	≥100			ASTM D1056
Tear Strength (g/mm ²)	246			ASTM D624
Compression Set (%)	≤5 at 100 C / ≤5 at 175 C			ASTM D1056
Adhesion to SUS	>100 N/100mm			ASTM D3330
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 × 10 ¹⁵			ASTM D257
Continuous Use Conditions	-55 - 200 C			QSP-754

**Tested at atmospheric pressure

Features:

- Good Resistance to Compression Set
- Good Chemical Resistance
- Highly Elastic
- Flame Retardant
- Low Water Absorption
- RoHS and HF Compliant



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

For Additional Information:

E-mail: sales@polymerscience.com
Toll Free: +1 888.533.7004
Web: www.polymerscience.com
Revision: 080326