

SS-SERIES

High Performance Silicone Rubber



Product Description

EndoChem SS-Series is a compression molded high performance silicone rubber.

Features

- UV Resistant
- Wide Temperature Range
- REACH Compliant
- ROHS Compliant

Applications

EndoChem SS-Series High Performance Rubber is typically used for applications that require high performance rubber that can maintain optimal material performance across a wide temperature range and environmental conditions.

Typical Properties

Part Number	SS020-H	SS030-H
Density (g/cm ³) ASTM D792	1.01	1.27
Hardness ASTM D2240 Type A Durometer 15 Sec. Impact @ 23°C (73°F)	20	30
Tensile Strength (MPa) ASTM D412	≥ 3	≥ 3.5
Tear Strength (KN/m) ASTM D624 Die C	≥ 6.5	≥ 10
Elongation (%) ASTM D412	≥ 800	≥ 700
Compression Set (%) ASTM D395 Method B: 22 hrs. @ 23°C (72°F)	15	14
Damping Performance @ 10Hz	0.71 @ -16°C	0.57 @ -20°C
Operating Temperature Range (°C)	-40 to 120	-40 to 120
ROHS Compliant	Yes	Yes
REACH Compliant	Yes	Yes
UL 94 Flammability Rating	HB	HB

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Typical Properties Continued

Compression Load Deflection ASTM D575 10mm / min		
Part Number	SS020-H	SS030-H
Force at 10% compression (MPa)	0.22	0.29
Force at 20% compression (MPa)	0.52	0.60
Force at 30% compression (MPa)	0.84	0.94
Force at 40% compression (MPa)	1.24	1.44
Force at 50% compression (MPa)	1.85	2.25

Storage and Shelf Life

Recommended storage in a temperature controlled room at 18-25°C with a 50% nominal relative humidity. Under these conditions, shelf life is good for up to 12 months from the date of manufacture.

Warranty and Disclaimer: The user is solely responsible for evaluating the product and determining whether it is acceptable for use and suitable for the user's method of application. EndoChem warrants that each product meets the applicable EndoChem product specification at the time of shipment. If the EndoChem product does not conform to this warranty, then the sole and exclusive remedy is, at EndoChem's option, replacement of the product or refund of the purchase price.

Limitation of Liability: Except where prohibited by law, EndoChem will not be liable for any loss or damage arising from the EndoChem product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

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