



Compound Data Sheet

Compound number	CMD-1012-SS316
Material	Platinum Cured Silicone
Shaft Material	SS316 (EN 1.4408)
Colour	Translucent
Odour	None
Temperature range	-60°C – +200°C
Storage Stability	10 years (*)

(*) Do note that silicones (especially translucent and transparent) have the tendency of yellowing after about 5 years even though all requirements for optimum storage conditions have been met. This however is purely cosmetic and although this might be an aesthetic challenge, the function of the gasket is not in any way altered.

Property (Norm)	Requirements	Results
Hardness [shore A] ASTM D2240-04	70±5	71
Tensile Strength [N/mm²] DIN53504	7 (min)	9.2
Elongation % ISO37	400 (min)	620
Compression set [%] 22 Hrs @ 175°C ISO815-B	50 plied (max)	10.0
Tear Strength [N/mm] ASTM D624-B	35 (min)	40.9
Density [g/cm³]		1.18

Meets

FDA	CFR 177.2600
Cytotoxicity <i>in vitro</i>	USP 35 <87>
Cytotoxicity <i>in vivo</i>	USP 35 <88> Class VI [121°C]
Physicochemical	EP 3.1.9 [2013]
Migration (food)	EC1935/2004
Conform	Animal Derived Ingredient Free (ADIF) & BSE/TSE free

General Advice

SIP	Good
CIP	Good
Mineral Oils & Fat	Poor
WFI	Good
Sterilization	Good
Steam Sterilization	Good

Silicone is porous and will absorb some of the media that passed the surface.

This information is accurate to the best of our knowledge. We advise the users of our products to perform their own testing for chemical compatibility and suitability for particular applications.