



Compound Data Sheet

Compound number	CMD-1086
Material	Platinum Cured Silicone
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	70
Tensile Strength [N/mm²] ASTM D412	6 (min)	9.3
Elongation % ASTM D412	350 (min)	650
Compression set [%] 22 Hrs @ 175°C WSTM 1114		25
Density [g/cm³]		1.17

Meets

FDA	CFR 177.2600
Cytotoxicity <i>in vitro</i>	USP 42 <87>
Cytotoxicity <i>in vivo</i>	USP <88> Class VI [file at Wacker]
Physicochemical	
Migration (food)	
Conform	Animal Derived Ingredient Free (ADIF) & BSE/TSE free

General Advice

SIP	Very Good
CIP	Very Good
Mineral Oils & Fat	Poor
WFI	Good
Sterilization	Excellent
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.