

Compound Data Sheet

Compound number	CMD-1026
Material	Peroxide cured silicone
Colour	Translucent
Odour	None
Temperature range	-60°C – +180°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	80±5	82
Tensile Strength [MPa] ATM D412/C	6.0 (min)	6.2
Elongation % ASTM D412/C	150 (min)	166
Compression set [%] 22 Hrs @ 175°C ASTM D395/B	(max)	12.3
Density [g/cm³]		1.2

Meets

FDA	CFR 177.2600
Cytotoxicity <i>in vitro</i>	USP 39 <87>
Cytotoxicity <i>in vivo</i>	USP 30 <88> Class VI [50°C]
Physicochemical	
Migration (food)	EC1935/2004 for water, acid and ethanol
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	Excellent

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.