



Compound Data Sheet

Compound number	CMD-1004-SPa
Material	EPDM (Etylene Propylene, peroxide cured) Plate: SS316L [Ra <0.80µm, mechanical polish]
Colour	Black
Odour	None
Temperature range	-40°C – +150°C short 170°C
Storage Stability	10 years

Property (Norm)	Requirements	Results
Hardness [shore A] ASTM D2240	70±5	74
Tensile Strength [MPa] ASTM D412	7.0 (min)	10.7
Elongation % ASTM D412	150 (min)	187
Compression set [%] 22 Hrs @ 150°C ASTM D395	20 (max)	8.5
Density [g/cm³]		1.16

Meets

FDA	CFR 177.2600
Cytotoxicity <i>in vitro</i>	ISO 10993-5 / USP 42 <87>
Cytotoxicity <i>in vivo</i>	USP 30 <88> Class VI [121°C]
Physicochemical	USP 35 <381>
Extractables	USP <665>
Migration (food)	EC1935/2004 [water and acid only]
Conform	Animal Derived Ingredient Free (ADIF) & BSE/TSE free

General Advice

SIP	Good short exposure
CIP	Good
Mineral Oils & Fat	Poor
WFI	Good
Sterilization	Excellent
Steam Sterilization	Good

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.