



Compound Data Sheet

Compound number	CMD-1028-SPa
Material	TFM [tetrafluoroethylene modified, modified PTFE] Plate: SS316L [Ra < 0.8µm, mechanical polish]
Colour	White
Odour	None
Temperature range	-195°C – +260°C
Storage Stability	Indefinitely

Property (Norm)	Requirements	Results
Hardness [shore D] ASTM D2240-04	60±5	62
Tensile Strength [N/mm²] ASTM D4894	3000 (min)	4600
Elongation % ASTM D4894	n/a (min)	450
Deformation % under load 2175 psi – 100 hrs		9.0
Density [g/cm³]		2.16

Meets

FDA	CFR 177.1550
Cytotoxicity <i>in vitro</i>	USP 40 <87>
Cytotoxicity <i>in vivo</i>	USP 40 <88> Class VI [121°C]
Physicochemical	USP 40 <661>
Migration (food)	
Conform	Animal Derived Ingredient Free (ADIF) & BSE/TSE free
Conform	PFAS free according to NEN-ISO 21675 [2025]

General Advice

SIP	Excellent
CIP	Excellent
Mineral Oils & Fat	Excellent
WFI	Excellent
Sterilization	Excellent
Steam Sterilization	Excellent
Gamma Irradiation	Not recommended

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.