Dry Chuck Data Sheet

General description: Conductive elastomer with silicone binder and pure silver filler

Storage and Cleaning

Store in sheet plastic, such as polyester, polyethylene. Keep away from sulfur-containing materials such as sulfur-cured neoprene and cardboard.
Clean with water or alcohol containg mild soap. Do no use aromatic or chlorinated solvents.

DRICHUCK SPECIFICATIONS	
Conductive Filler	Silver, Ag
Elastomer Binder	Silicone
Type (Ref MIL-G-83528)	Type E
Volume Resistivity, ohm-cm, max	0.002
Hardness (Shore A)	65±5
Specific Gravity (±0.25)	3.5±0.45
Tensile Strength, psi (Mpa), min.	300 (2.07)
Elongation, % min/max	200/500
Tear Strength, lb/in, (kN/m), min.	50 (8.75)
Compression Set, 70 hrs @ 100°C, % max	45
Low Temperature Flex TR10,°C, min	-65
Thermal Conductivity (W/m-K)	2.8
Maximum Continuous Use Temperature, °C	160

Material Details

Silicone Type: PVMQ (phenyl-vinyl-methyl-polysiloxane) with small percentage of VMQ (vinyl-methyl-polysiloxane)

Outgassing Information:

24hrs @ 125°C
%TML (Total Mass Loss): 0.36
%CVCM (Collectible Volatile Condensible Mass): 0.12
%WVR† (Water Vapor Regained): 0

Possible Outgassing Constituents

Water, HCL, dimethylchlorosilane (DMCS)

† The amount of water readsorbed/reabsorbed in 24 hours while the drichuck material is exposed to 25° C, and 50% relative humidity. This determination is made after the vacuum test is completed and the values for TML and CVCM have been determined

IntlVAC