

# CONDUCTIVE ELASTOMER SPECIFICATIONS (grouped by filler)

		Test Procedure (Type of Test)	CHO-SEAL 1278 <sup>n</sup>	CHO-SEAL 1285	CHO-SEAL 1287	CHO-SEAL 1298				
Conductive Filler			Ag/Ni	Ag/Al	Ag/Al	Passivated Ag/Al				
Elastomer Binder			Silicone	Silicone	Fluoro- silicone	Fluoro- silicone				
Type (Ref. MIL-G-83528)			Type L	Type B	Type D	Type D				
Volume Resistivity, ohm-cm, max., as supplied (without pressure- sensitive adhesive)		CEPS-0002 <sup>a</sup>	—	—	—	—				
		MIL-G-83528 Para. 4.6.11	0.005	0.008	0.012	0.012				
Hardness (Shore A)		ASTM D2240 (Q/C)	75 ±5	65 ±5	70 ±5	70 ±5				
Specific Gravity (±0.25)		ASTM D792 (Q/C)	4.0	1.9	2.0	2.0				
Tensile Strength, psi (MPa), min.		ASTM D412 (Q/C)	200 (1.38)	200 (1.38)	180 (1.24)	180 (1.24)				
Elongation, % min. or % min./max.		ASTM D412 (Q/C)	100/300	100/300	60/260	60/260				
Tear Strength, lb/in. (kN/m), min.		ASTM D624 (Q)	30 (5.25)	30 (5.25)	35 (6.13)	35 (6.13)				
Compression Set, 70 hrs @ 100°C, % max. <sup>b</sup>		ASTM D395 Method B (Q)	32	32	30	30				
Low Temperature Flex TR10, °C, min.		ASTM D1329 (Q)	-55	-65	-55	-55				
Maximum Continuous Use Temperature, °C <sup>c</sup>		(Q)	125	160/200	160/200	160/200				
Shielding Effectiveness (see Note below)	dB, min.		Method (1)	Method (2)	Method (2)	Method (2)				
			200 kHz (H Field)	70	60	55	55			
			100 MHz (E Field)	120	115	110	110			
			500 MHz (E Field)	120	110	100	100			
			2 GHz (Plane Wave)	115	105	95	95			
Electrical Stability		ohm-cm, max.		Method (2)	Method (2)	Method (2)	Method (2)			
				10 GHz (Plane Wave)	110	100	90	90		
				Heat Aging		CEPS-0002 <sup>a</sup>	—	—	—	
						MIL-G-83528 Para. 4.6.15 (Q/C)	0.010	0.010	0.015	0.015
				Vibration Resistance	During	MIL-G-83528 (Q)	0.010	0.012	0.015	0.015
After	Para. 4.6.13 (Q)	0.005	0.008		0.012	0.012				
Post Tensile Set Volume Resistivity		MIL-G-83528 Para. 4.6.9 (Q/C)	0.010	0.015	0.015	0.015				
EMP Survivability, kA per in. perimeter		MIL-G-83528 Para. 4.6.16 (Q)	>0.9	>0.9	>0.9	>0.9				