



Specifications, Performance & Properties

<i>Property</i>	<i>Performance</i>	<i>Test Method</i>
Operating Temperature - Continuous	-75 to +392°F (-60 to +200°C)	
Operating Temperature - Intermittent	-85 to +500°F (-65 to +260°C)	
Cold Brittle Point	-85°F (-45°C)	
Hardness		ASTM D2148
• Cured at Room Temperature, 24 hours	50 +/-5 Shore 'A'	
• Cured at 300°F (150°C), 24 hours	70 +/-5 Shore 'A'	
• Cured at 480°F (250°C), 24 hours	75 +/-5 Shore 'A'	
Density	1.2 g/cc (0.043 lb/in ³)	ASTM D792
Flammability, Maximum	0.10 inch/second	ASTM F963
Tensile Strength, Minimum	700 psi	ASTM D119
Tear Strength, Minimum	85 ppi	ASTM D264
Adhesive Bond Strength, Minimum	2 lbs	MIL-I-46852
Adhesion, Maximum Unwind	3 inches	ASTM D2148
Elongation, Minimum	300%	ASTM D119
Water Absorption, Maximum by Weight	3%	MIL-I-46852
Volume Resistivity, Minimum	3 x 10 ¹⁴ ohm-cm	MIL-I-46852
Dielectric Constant	2.95 kHz	ASTM D150
Dielectric Strength, Minimum	400 V/mil	MIL-I-46852
Dissipation Factor	0.0004 kHz	ASTM D150
Shelf Life	60+ months	

MOCAP's Silicone Tapes are Rated to and/or Compliant with the Following Standards:

CPSIA - Consumer Product Safety Improvement Act

Prop. 65 - The Safe Drinking Water and Toxic Enforcement Act of 1986

Class H Insulator - National Electrical Manufacturers Association (NEMA)

RoHS - Restriction of Hazardous Substances Directive 2002/95/EC

REACH - Registration, Evaluation, Authorization and Restriction of Chemicals (EU Regulation)

General Performance Properties

Moisture Resistance • <i>Excellent</i>	UV Resistance • <i>Excellent</i>
Electrical Insulation • <i>Excellent</i>	Ozone Resistance • <i>Excellent</i>
Resilience • <i>Excellent</i>	Corrosion Prevention • <i>Excellent</i>
High Temperatures • <i>Excellent</i>	Solvent Resistance • <i>Good</i>
Flame Resistance • <i>Good</i>	Acid Resistance • <i>Good-Fair</i>
Abrasion Resistance • <i>Good</i>	Oil Resistance • <i>Good-Fair</i>
Tear Resistance • <i>Good</i>	Hydrocarbon Resistance • <i>Good-Fair</i>

Warranty: X-Treme Tape is warranted against defects in material and workmanship when used for the purposes intended, under normal conditions. The warranty applies to product only and does not apply to damages arising from use of the warranted product. The above values are typical performance data of silicone rubber tape and are not intended to be used as design data.



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