

D210 Silicone Resin Sleeving - Additional Properties

Electrical	Results	Standard
Dielectric Strength after 48/23/50:		
Grade A	8000v min. avg., 6000v min. indiv	NEMA TF - 1
Grade C - 1	2500v min. avg., 1500v min. indiv	NEMA TF - 1
Dielectric Strength after 96/23/96:		
Grade A	80% of Original Value.	NEMA TF - 1
Hydrolytic Stability after 336 hrs. @ 70°C over Constant Water Reflux	5000 volts min. avg.	MIL-I-3190/5
Thermal Properties		
Thermal Endurance	Class 200°C (H)	MIL-I-3190/5 & UL 1441
Brittleness Temperature	- 56°C	ASTM-D350
Flame Resistance	Passes	ASTM-D350 Method B, NEMA TF-1, MIL-I-3190/5 Method B
	Passes (VW-1) for Grade A in sizes 3/8" through and including 1" ID only.	UL 1441
Physical Properties		
Hardness, Coating	60 (Durometer)	ASTM-D2240
Tensile Strength, Coating	200 psi	ASTM-D412
Ultimate Elongation, Coating	100% @ 20°C	ASTM-D412
Flexibility and Toughness, Coating	Passes (Penetration Test)	UL 1441
Chemical Resistance		
Compatibility	Good. Compatible with most potting compounds & varnishes.	UL 1446
Water Vapor Resistance	Excellent	MIL-I-3190/5
Sunlight & Weathering	Good	
Oil and Solvent Resistance	Good	MIL-I-3190/5
Resistance to Acids & Alkalis	Excellent in weak solutions. Fair in concentrated solutions.	
Information is precise and reliable. However each end-use should be evaluated to satisfy its unique requirements.		