

D155 Acrylic Coated Fiberglass Sleeving - Additional Properties

Electrical	Results	Standard
Dielectric Strength after 48/23/50:		
Grade A	7000v min. avg., 5000v 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	50% of Original Value.	NEMA TF - 1
Hydrolytic Stability after 336 hrs. @ 70°C over Constant Water Reflux	1500 volts min. avg.	MIL-I-3190/3
Thermal Properties		
Thermal Endurance	Class 155°C (F)	MIL-I-3190/3 & UL 1441
Brittleness Temperature	- 25°C	ASTM-D350
Flame Resistance	Passes	ASTM-D350 Method B, NEMA TF-1, MIL-I-3190/3 Method B
Physical Properties		
Tear Strength, Coating	60 psi	ASTM-D624
Tensile Strength, Coating	850 psi	ASTM-D412
Ultimate Elongation, Coating	150% @ 20°C	ASTM-D412
Flexibility and Toughness, Coating	Passes (Penetration Test)	UL 1441
Chemical Resistance		
Compatibility	Good. Compatible with modified polyester, acrylic, epoxy, phenolic, and formvar wire enamels.	UL 1446
Corrosion Resistance	Good. Contains no chlorine or other materials contributing to electrolyte formation.	--
Oil and Solvent Resistance	Passes (Good)	MIL-I-3190/3
Resistance to Acids & Alkalis	Good	--
Information is precise and reliable. However each end-use should be evaluated to satisfy its unique requirements.		