Daburn Electronics & Cable
44 Richboynton Road
Dover, NJ 07801

D220 Viton® 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	80% of Original Value.	NEMA TF - 1
Hydrolytic Stability after 336 hrs. @ 70°C over Constant Water Reflux	6000 volts min. avg.	MIL-I-3190/7
Thermal Properties		
Oxygen Index	85%	
Thermal Endurance	Class 220°C (R)	MIL-I-3190/7
Brittleness Temperature	- 70°C	ASTM-D350
Flame Resistance	Passes (VW-1)	UL 1441, ASTM-D350, NEMA TF-1, MIL-I-3190/7, Method A
Smoke Density	Passes; test requires a minimum SDR4 of 15%.	Rohm & Haas SD Test XP-2
Radiation Resistance	Up to 106 rads with little or no effect on physical properties	DuPont Bulletin E-37758
Physical Properties		
Hardness, Coating	80 (Durometer, Shore A)	ASTM-D2240
Tensile Strength, Coating	2000 psi @ 24°C; 600 psi @ 149°C	ASTM-D412
Ultimate Elongation, Coating	150% @ 24°C; 75% @ 149°C	ASTM-D412
Flexibility and Toughness, Coating	Passes (Penetration Test)	UL 1441
Chemical Resistance		
Fungus Resistance	Passes	MIL-E-5272
Resistance to Ozone Concentrations	Unaffected at levels as high as 100 ppm	
Resistance to Atmospheric Oxidation, Sun and Water	Excellent	
Solvent*, Chemical and Oil Resistance	Passes (Excellent)	MIL-I-3190/7
* Do not use Ketone type solvents as a cleaning liquid for Daburn Viton®. We recommend using V.M. & P. Naphtha		
Information is precise and reliable. However each end-use should be evaluated to satisfy its unique requirements.		