



ABRASION FLAMMABILITY

Abrasion Resistance
Medium

Rating _____ VW-1

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

Room Temperature
70°F

Humidity
63%

Slight Scuffing And One Broken Filament
300 Test Cycles

Wear Continues Evenly Approximately One Dozen Filaments Broken
500 Test Cycles

Material Destroyed
900 Test Cycles

Pre-Test Weight
3,772.7 mg

Post-Test Weight
3,391.1 mg

Test End Loss Of Mass Point Of Destruction
381.6 mg

CHEMICAL RESISTANCE

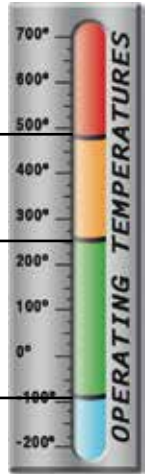
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

Aromatic Solvents _____	2
Aliphatic Solvents _____	1
Chlorinated Solvents _____	3
Weak Bases _____	1
Salts _____	1
Strong Bases _____	2
Salt Water 0-5-1926 _____	1
Hydraulic Fluid MIL-H-5606 _____	1
Lube Oil MIL-L-7808 _____	1
De-Icing Fluid MIL-A-8243 _____	1
Strong Acids _____	3
Strong Oxidants _____	2
Esters/Ketones _____	2
UV Light _____	1
Petroleum _____	1
Fungus ASTM G-21 _____	1
Halogen Free _____	Yes
RoHS _____	Yes
SVHC _____	None

Melt Point
ASTM D-2117
482°F (250°C)

Maximum Continuous
Mil-I-23053
257°F (125°C)

Minimum Continuous
-94°F (-70°C)



PHYSICAL PROPERTIES

Monofilament Diameter _____	.010
ASTM D-204	
Flammability Rating _____	VW-1
FMVSS-302 Approved	
Recommended Cutting _____	Hot Knife
Colors _____	1
Wall Thickness _____	.025
Tensile Strength (Yarn) _____	5
ASTM D-2256 Lbs	
Specific Gravity ASTM D-792 _____	1.38
Moisture Absorption _____	.1-.2
% ASTM D-570	
Hard Vacuum Data _____	
ASTM E-595 at 10-5 torr	
TML _____	.19
CVCM _____	.04
WVR _____	.06
Smoke D-Max _____	275
ASTM E-662	
Outgassing _____	Med
Oxygen Index _____	31
ASTM D-2863	



www.techflex.com
800.323.5140 • 973.300.9242 • fax: 973.300.9409
104 Demarest Road • Sparta, NJ 07871

