



ScratchGARD® | Physical and Thermal Properties

Physical and Thermal Properties		
Tensile Strength ASTM D 882 (PSI)		30,000
Elongation At Break ASTM D 882 (%)		152
Yield Stress (5%) ASTM D 882 (PSI)		15,750
Break Strength (lbs./in.)		201
Yield Strength (5%) (lbs./in.)		106
Tear Strength ASTM D 1004 Graves Tear Test (Initial)		18.5
Tensile Modulus ASTM D 882 (PSI)		558,000
Puncture Strength ASTM D 4830 (lbs.)		117
Peel Strength (grams/inch of width)		3,250
Poisson's Ratio ASTM D 882		0.40
Abrasion Resistance (%) ASTM D 1003-92 ASTM D 1044 100 Cycles		

ANZI Z 97.1		Pass
CPSC CFR 1201, Category II		Pass
GSA Security Criteria Performance Condition Daylight Application (4 PSI / 28 PSI/msec)		3b
BS 6206, Class C		Pass
Flame Spread Index ASTM D 882		2
Smoke Index ASTM D 882		31
Flash Temperature (°F) ASTM D 1929		735
Combustion Rate		NEGLIGIBLE
Melting Point (°C)		263
Self Ignition (°F) ASTM D 1929		755