



**VehicleGARD® | Physical and Thermal Properties**

<b>Physical and Thermal Properties</b>			
		VG-C400 (Clear)	VG-S350 (Tinted)
Tensile Strength ASTM D 882 (PSI)		30,000	30,000
Elongation At Break ASTM D 882 (%)		160	160
Yield Stress (5%) ASTM D 882 (PSI)		15,750	15,750
Break Strength (lbs./in.)		122	122
Yield Strength (5%) (lbs./in.)		64	64
Tear Strength ASTM D 1004 Graves Tear Test (Initial)		6.8	6.8
Tensile Modulus ASTM D 882 (PSI)		558,000	558,000
Puncture Strength ASTM D 4830 (lbs.)		71	71
Peel Strength (grams/inch of width)		3,300	3,300
Poisson's Ratio ASTM D 882		0.40	0.40
Abrasion Resistance (%) ASTM D 1003-92 ASTM D 1044 100 Cycles			5
ANZI Z 97.1		Pass	Pass
CPSC CFR 1201, Category II		Fail	Fail

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