



StormGARD® | Physical and Thermal Properties

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	CLEAR	GREY STEEL 50	GREY STEEL 35	GREY STEEL 20	CHROME 20
Tensile Strength ASTM D 882 (PSI)	30,000	30,000	30,000	30,000	30,000
Elongation At Break ASTM D 882 (%)	175	175	175	175	175
Yield Stress (5%) ASTM D 882 (PSI)	15,750	15,750	15,750	15,750	15,750
Break Strength (lbs./in.)	245	245	245	245	245
Yield Strength (5%) (lbs./in.)	130	130	130	130	130
Tear Strength ASTM D 1004 Graves Tear Test (Initial)	24	24	24	24	24
Tensile Modulus ASTM D 882 (PSI)	558,000	558,000	558,000	558,000	558,000
Puncture Strength ASTM D 4830 (lbs.)	154	154	154	154	154
Peel Strength (grams/inch of width)	3,400	3,400	3,400	3,400	3,400
Poisson's Ratio ASTM D 882	0.40	0.40	0.40	0.40	0.40
Abrasion Resistance (%) ASTM D 1003-92 ASTM D 1044 100 Cycles	<5	<5	<5	<5	<5
ANZI Z 97.1	Pass	Pass	Pass	Pass	Pass
CPSC CFR 1201, Category II	Pass	Pass	Pass	Pass	Pass

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