



**BurglarGARD® | Physical and Thermal Properties**

| Physical and Thermal Properties                               |         |                  |                  |                  |              |
|---|---------|------------------|------------------|------------------|--------------|
|   | CLEAR   | GREY STEEL<br>50 | GREY STEEL<br>35 | GREY STEEL<br>20 | CHROME<br>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<br>Performance Condition Daylight<br>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<br>1929  | 735            | 735        | 735        | 735        | 735        |
| Combustion Rate  | NEGLIGIB<br>LE | NEGLIGIBLE | NEGLIGIBLE | NEGLIGIBLE | NEGLIGIBLE |
| Melting Point (°C)   | 263            | 263        | 263        | 263        | 263        |
| Self Ignition (°F) ASTM D 1929   | 755            | 755        | 755        | 755        | 755        |