



# TECHNICAL SPECIFICATIONS OF FLEXIBLE PVC PRODUCTS

## PHYSICAL PROPERTIES OF FLEXIBLE PVC PRODUCTS

| Property                                      | Standard                      | Unit              | Standard | Low Temp | Anti-Stat | Colored  | Screenflex |
|---|-------------------------------|-------------------|----------|----------|-----------|----------|------------|
| Shore A hardness                              | EN 150868                     | Sh A              | 80       | 72       | 80        | 80       | 80         |
| Tearing resistance                            | DIN 53515                     | N/mm              | 50       | 28       | 50        | 50       | 55         |
| Tensile strength at break                     | ASTM D63<br>EN ISO 527        | N/mm <sup>2</sup> | 16       | 12       | 16        | 16       | 18         |
| Elongation at break                           |                               | %                 | 340      | 390      | 340       | 340      | 300        |
| Residual Elongation (a.break)                 |                               | %                 | 68       | 76       | 68        | 68       | 62         |
| Thermal conductivity                          | ASTM C 177                    | W/m.K             | 0,16     | 0,16     | 0,16      | 0,16     | 0,16       |
| Cold bend brittle temperature Usage           | ASTM D 746                    | °F                | -31      | -56      | -31       | -31      | -31        |
| temperature range Vicat softening temperature | EN 1876                       | °F                | -10/150  | -40/90   | -10/150   | -10/150  | -10/150    |
| softening temperature                         | EN ISO 306                    | °F                | 122      | 188      | 122       | 122      | 122        |
| Specific heat capacity                        | ISO 11357                     | kJ/kg.K           | 1,6      | 1,6      | 1,6       | 1,6      | 1,6        |
| Sound reduction                               | DIN 52210                     | db                | >35      | >35      | >35       | >35      | <35        |
| Reaction to fire                              | CSFM title 19:<br>1237 AWS F2 | Compliant         |          |          |           |          | Compliant  |
| Light transmittance                           | ASTM D 1003                   | %                 | 85       | 85       | 85        | 0To80    | <13        |
| UV/IR filter                                  | AWS F2.M:2011                 | Compliant         |          |          |           |          | Compliant  |
| UV resistance                                 | ISO4892                       |                   | Yes      | Yes      | Yes       | Yes      | High       |
| Charge buildup                                | IEC 61087                     | Sparks            | Yes      | Yes      | No        | No       | Yes        |
| Surface resistivity                           | IEC 60093                     | .10               | 40       | 40       | 2         | 2        | 40         |
| Water absorption                              | EN ISO 62                     | %                 | -0,2     | -0,2     | 1 To 1.6  | 1 To 1.6 | -0,2       |
| Density                                       | ASTM D 792                    | g/cm <sup>3</sup> | 1,22     | 1,18     | 1,22      | 1,22     | 1,22       |

### LIGHT TRANSMITTANCE DATA

| Standard        | Screenflex Red | Screenflex Green | Screenflex Bronze |
|-----------------|----------------|------------------|-------------------|
| 200-315 Nm      | <0.002         | <0.002           | <0.002            |
| 315-380 Nm      | <0.01          | <0.01            | <0.01             |
| 400-500 Nm      | 0              | 0                | 0,2               |
| Luminous Trans. | 21,8           | 0,17             | 4,24              |
| AWS F2.3 2011   | PASS           | PASS             | PASS              |
| ISO 25980       | PASS           | PASS             | PASS              |

Ratings given for .240" thickness flexible PVC (.120" with full overlap). Thickness of material will influence actual results in the application.

### SOUND TRANSMISSION DATA

| FREQ. (HERTZ) | TRANS. LOSS(dB) | FREQ. (HERTZ) | TRANS. LOSS(dB) |
|---------------|-----------------|---------------|-----------------|
| 100           | 6               | 800           | 11              |
| 125           | 8               | 1000          | 1250            |
| 160           | 7               | 1250          | 14              |
| 200           | 8               | 1600          | 14              |
| 250           | 9               | 2000          | 15              |
| 315           | 10              | 2500          | 16              |
| 400           | 10              | 3150          | 16              |
| 500           | 10              | 4000          | 17              |
| 600           | 11              | 5000          | 17              |

CALL US  
888 330 7083

MAIL US  
support@industrialstripcurtain.com

VISIT US  
industrialstripcurtain.com