

VERILON®

STRIP SPECIFICATIONS

FOR

STANDARD, LOW TEMPERATURE & POLARIZED WELDING

All Material is USDA Approved

| Nominal Width | Nominal Thickness | Roll Length | Approximate Weight | Product Type | Style | Color(s) |
|---------------|-------------------|-------------|--------------------|--------------|----------|----------------------------|
| 6 inch | .060" | 300 ft | 55 lbs | Standard | Flat | Clear |
| | | | 55 lbs | Low Temp | Flat | Clear |
| 8 inch | .080" | 300 ft | 90 lbs | Standard | Flat | Clear |
| | | | 150 ft | 46 lbs | Standard | Flat |
| | | 300 ft | 85 lbs | Low Temp | Flat | Clear |
| | | | 150 ft | 60 lbs | Standard | Ribbed |
| | | 300 ft | 60 lbs | Low Temp | Ribbed | Clear |
| | | | 90 lbs | Polarized | Flat | Bronze, Veri-Orange & Blue |
| 12 inch | .080" | 200 ft | 90 lbs | Standard | Flat | Clear |
| | .120" | 200 ft | 135 lbs | Standard | Flat | Clear & Orange |
| | | 200 ft | 130 lbs | Low Temp | Flat | Clear |
| | | 150 ft | 120 lbs | Standard | Ribbed | Clear |
| | | 150 ft | 120 lbs | Low Temp | Ribbed | Clear |
| | | 200 ft | 135 lbs | Polarized | Flat | Bronze |
| 16 inch | .160" | 100 ft | 125 lbs | Standard | Flat | Clear |
| | | 100 ft | 120 lbs | Low Temp | Flat | Clear |
| | | 100 ft | 140 lbs | Standard | Ribbed | Clear |
| 48 inch | .040" | 120 ft | 145 lbs | Standard | Flat | Clear |
| | .080" | 66 ft | 145 lbs | Standard | Flat | Clear |
| | .080" | 60 ft | 120 lbs | Polarized | Flat | Bronze |
| | .120" | 66 ft | 210 lbs | Standard | Flat | Clear |
| | .160" | 60 ft | 250 lbs | Standard | Flat | Clear |

Tolerance: ± 1/4" width; ± .020" thickness

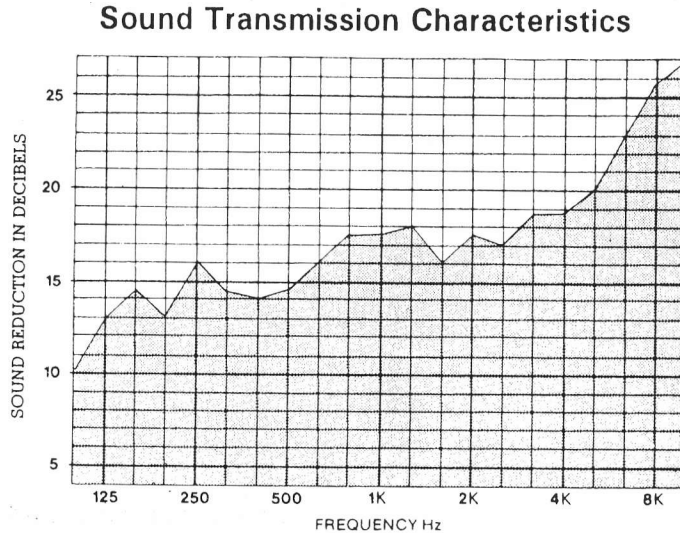
TYPICAL PHYSICAL PROPERTIES

| TEST | ASTM NO. | STANDARD & POLARIZED | LOW TEMPERATURE |
|--------------------------|----------|--|--|
| Density | | 77.41 lbs per ft ³ at 73° F | 73.66 lbs per ft ³ at 73° F |
| Shore A Hardness | D2240 | 74 | 63 |
| Specular Transmittance | D1746 | 83.8 | 80.6 |
| | | Polarized see Graph on Reverse Side | |
| Tensile Strength (PSI) | D412 | 2530 | 2026 |
| Ultimate Elongation (%) | D412 | 350 | 400 |
| Tear Resistance (lbs/in) | D1004 | 291 | 250 |
| Brittleness | D746 | - 40° F | - 75° F |
| Operating Temperature | Maximum | 140° F | 140° F |
| | Minimum | - 10° F | - 50° F |
| Oxygen Index (%) | D2863 | 23.5 | 20.3 |
| Thermal Conductivity 'K' | | 0.97 BTU in. ft ³ hr, °F | 0.97 BTU in. ft ³ hr, °F |

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SOUND TRANSMISSION LOSS CHARACTERISTICS

Tests were conducted on a curtain made of 16" x .160" strips overlapped to produce a double thickness. The graph below shows a sound transmission class (STC) of 26 over the test range of 100 Hz to 10 KHz. The sound transmission class quoted here is for a PVC strip curtain, and does not necessarily represent the reduction in sound which could be expected from an enclosure made of PVC strip. This would be determined by the nature of the noise, i.e. the noise level at each frequency; the size of the enclosure; the amount of absorbent material included and the incidence of holes or gaps in the enclosure.



FIRE AND UV RADIATION RESISTANCE

All Verilon[®] Welding Strip meets CPAI-84 and California Fire Marshal requirements for flame resistance. Not only is it fire-retardant, but it prevents dangerous near UV and UV radiation from penetrating adjacent areas.

Light Transmission Characteristics

| | (Wavelengths in Nanometers) | | | | | | | |
|--------------------|-----------------------------|------|---------|-------|---------------|-------|-------|-------|
| | Ultra-Violet | | Near UV | | Visible Light | | | |
| | 200 | 300 | 350 | 380 | 500 | 600 | 700 | 760 |
| BLUE | | | | | | | | |
| % Transmission | 0.25 | 0.25 | 0.25 | 2.776 | 2.776 | 2.776 | 2.776 | 2.776 |
| BRONZE | | | | | | | | |
| % Transmission | 0.25 | 0.25 | 0.25 | 15 | 15 | 15 | 15 | 15 |
| VERI-ORANGE | | | | | | | | |
| % Transmission | 0.25 | 0.25 | 0.25 | 18 | 18 | 18 | 18 | 18 |

CHEMICAL RESISTANCE

Generally resistant to inorganic acids, bases and salts. Can be affected by Ketones and Esters. Specific applications should be tested by the user for effects on this material.

CARE OF MATERIAL

Oil, grease, dirt, etc. can be removed with a non-caustic, non-alkaline emulsified detergent. The detergent should be diluted 10 to 1 with water, depending on the job it must do. This should be sprayed on or applied with a rag and then immediately wiped off. Repeat if necessary. For best results, use a professional vinyl cleaner such as Verilon[®] Vinyl Cleaner which has been specially formulated in an aerosol container for this purpose.