



**STRIP SPECIFICATIONS**  
**Standard, Low Temperature & Polarized Welding**

**MATERIAL DESCRIPTION**

TEST	ASTM NO.	STANDARD & POLARIZED	LOW TEMPERATURE
Density		77.41 lbs per ft <sup>3</sup> at 73° F	73.66 lbs per ft <sup>3</sup> at 73° F
Shore A Hardness	D1746	74	63
Specular Transmittance	D1746	83.8 Polarized see Graph on Reverse Side	80.6
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 Minimum	140° F -10° F	140° F -50° F
Oxygen Index (%)	D2863	23.5	20.3
Thermal Conductivity 'K'		0.97 BTU in ft <sup>3</sup> hr, °F	0.97 BTU in ft <sup>3</sup> hr °F

**All Material is USDA Approved**

*\* Results above reflect typical performance characteristics of the product listed. This document should not be used as certification to any specification.*

**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 which has been specially formulated in an aerosol container for this purpose.

The information contained herein is to the best of our knowledge and belief, accurate and reliable. No representation, warranty (express or implied) or guarantee is made concerning this information. Steel Guard Safety shall not be liable for any loss, damage or injury that may occur from the use of this information.

## 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 100Hz 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 Welding Strip meets CPAI-84 and California Fire Marshal Requirements for flame resistance. Not on is it fire-retardant, but it prevents dangerous near UV and UV radiation from penetrating adjacent areas.

	Light Transmission Characteristics							
	Ultra-Violet		Near UV		Visible Light			
	200	300	350	380	500	600	700	760
BRONZE								
% Transmission	0.25	0.25	0.25	15	15	15	15	15
AZTEC-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.