STEEL GUARD SAFETY PRODUCTS

.014" Translucent Vinyl FR

Yellow, Orange, Blue, Shade 8

MATERIAL DESCRIPTION

	% Transmittance			
Specimen Code	**UV**	**VIS**	**NIR**	**SOLAR**
14 Mil Yellow Vinyl FR	0.0	53.2	88.5	67.7
14 Mil Orange Vinyl FR	0.0	36.3	82.6	57.0
14 Mil Blue Vinyl FR	4.5	10.4	56.9	32.7
14 Mil Shade 8 Vinyl FR	0.0	1.5	21.9	11.4

PROPERTY	TOLERANCE	TEST METHOD
GENERAL		
Film Thickness	14 mil +/- 1 mil	USA WI-792
Film Width	Ordered width, +/- 1/4"	USA WI-793
Length	Ordered -0 yard	USA WI-1218
OPTICAL		
Clarity		
Haze		ASTM D-1003
PHYSICAL		
100% Modulus MD	1000 PSI Minimum	ASTM D-882
100% Modulus TD	1000 PSI Minimum	ASTM D-882
Elongation MD	150% Minimum	ASTM D-882
Elongation TD	150% Minimum	ASTM D-882
QC TERMS		
Air Marks	3 small, 1 medium per sq. yd.	USA WI-1201
Contamination	20 small, 5 medium per square yard	USA WI-1204
Pock Marks	no more than 1" on edges only	Visual Check
THERMAL & FIRE TEST		
Fire Test	Pass	CFSM Large Scale

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OBSERVATIONS, DEVIATIONS, AND WAIVERS

The disparity at 400nm, 560nm, and 2300nm in the spectral transmittance charts is attributed to normal pen response coupled with an automatic filter change in the Beckman 5240 Spectrophotometer. The disparity at 720nm between the VIS and NIR spectral charts is attributed to normal pen response coupled with a detector change in the Beckman 5240 spectrophotometer. These disparities generally occur only in regions of change in percent transmittance.

With all test methods, there typically is a level of uncertainty for the test data due to the acceptable operating tolerances of the instrumentation and variation caused by the test method. The estimated tolerances are expected to be less than plus or minus 2% for most materials tested to ASTM E903.

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