



**.014" Translucent Vinyl FR**  
**Yellow, Orange, Blue, Shade 8**

**MATERIAL DESCRIPTION**

**% Transmittance**

<b>Specimen Code</b>	<b>UV</b>	<b>VIS</b>	<b>NIR</b>	<b>SOLAR</b>
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

<b>PROPERTY</b>	<b>TOLERANCE</b>	<b>TEST METHOD</b>
-----------------	------------------	--------------------

**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
-----------	------	------------------



### **.014" Translucent Vinyl FR** **Yellow, Orange, Blue, Shade 8**

#### **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.

The information contained herein is to the best of our knowledge and belief, accurate and reliable. No representation, warranty (express or implies) 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.