

TYPICAL PROPERTIES OF EWF® 3000 Color Matte Polystyrene Film

Available in standard stock colors of Yellow (Amber), Red and Blue

Properties	Units	Typical Values	Test Method
Thickness	gauge	125	ASTM D4321
	µm	31.75	
Yield	in ² /lb	21,040	ASTM D4321
	m ² /kg	29.88	
Density	g/cc	1.05	ASTM D1505
Light Transmission	%	90	ASTM D1003
WVTR 100°F(38°C), 95%RH	g/100 in ² /24hr	7.5	ASTM F1249
F.D.A.	—	YES	—
U.S.D.A.	—	YES	—
Mechanical Properties			
Gloss @60°F(15.5°C)	%	80 – 90	ASTM D2457
Tensile Strength	psi	8,000 – 12,000	ASTM D882
Elongation	%	3 – 40	ASTM D882
Thermal Properties			
Continuous Heat Resistance	°F (°C)	170 (76.6)	Internal
Heat Sealing Range	°F (°C)	250 – 350 (121 – 177)	Internal
1% Shrink Point	—	180°F (82°C)/24hr	Internal
Chemical Resistance			
Acids	—	Excellent	ASTM D543
Strong Acids	—	Attacked by Oxidizing Acids	ASTM D543
Weak Alkalies	—	Excellent	ASTM D543
Strong Alkalies	—	Excellent	ASTM D543
Organic Solvent	—	Soluble in Aromatic or Chlorinated Hydrocarbons	ASTM D543
Alcohols	—	Good	ASTM D543
Tar, Grease & Oil	—	Good	ASTM D543
Barrier Properties			
Water Vapor	—	Fair to Good	—
Gas	—	Fair to Good	—

Thickness & Yields may vary by +/- 10%

All data represents typical values by the methods indicated and should be considered so. The information herein, is to the best of our knowledge, true, and accurate. However, since conditions of use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part. No warranty is made or implied.