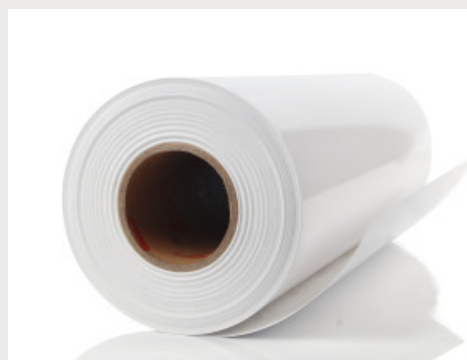


# PhotoMark® Reflections™ 205-3 Datasheet

## OVERVIEW

What's better than a durable backsheet with no PET or Fluoropolymers? How about a durable backsheet with no interlayer adhesives?

That's right – Tomark-Worthen has created a revolutionary new backsheet based on a proprietary polyamide alloy that is weatherable, dimensionally stable and cost effective - and it does not contain any Fluoropolymer or PET layers and does not use any adhesives! Our backsheet is not susceptible to hydrolysis or UV degradation.



## MATERIAL COMPOSITION

Test	Results
Voltage Rating	≤ 1,000 V
Weight	236 g/m <sup>2</sup>
Thickness	205 μm
Colors (front/back)	Wht/Wht, Blk/Blk, Blk/Wht
Roll Sizes (width)	50cm-140cm

## TECHNICAL CHARACTERISTICS

Test	Method	Reflections™ 205
EVA Peel Strength	IEC 62788-2	> 80 N/cm
Shrinkage after 30 min at 150°C	TUV-SUD Method	0.80% / 0.40% (MD/TD)
Dielectric Breakdown	UL 746A	17.8 KVDC
Comparative Testing Index (CTI)	IEC 60112	600 V
Relative Thermal Index (RTI)	UL 746B	125 °C
MVTR	ASTM F1249	1.9 g/m <sup>2</sup> /day
Damp Heat Testing	TUV-SUD Method	≥ 2000 hours
UV Stability/Color	TUV-SUD Method	> 5000 hours
Reflectance	R500 (%)	81%
Distance Through Insulation (DTI)		Pass
Tensile Strength (MD / TD)	ASTMD882	54 mPa / 47 mPa
Elongation (MD / TD)	ASTMD882	375% / 350%

\*Theoretical nominal

This product is covered by one or more U.S. patents and pending U.S. and other patent applications.  
Typical Data - Not Specification



Tomark-Worthen  
64 Watkin Ave  
Chadds Ford, PA 19317  
USA

Phone: 1-610-978-1889  
Email: info@tomark-worthen.com  
www.tomark-worthen.com

