

PhotoMark® Reflections 360-3™ 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	≤ 1,500 V
Weight	404 g/m ²
Thickness	360 μm
Colors (front/back)	Wht/Wht, Blk/Blk, Blk/Wht
Roll Sizes (width)	50cm-140cm

TECHNICAL CHARACTERISTICS

Test	Method	Reflections™ 360
EVA Peel Strength	IEC 62788-2	> 80 N/cm
Shrinkage after 30 min at 150°C	TUV-SUD Method	0.75% / 0.51% (MD/TD)
Dielectric Breakdown	UL 746A	31.2 KVDC
Comparative Testing Index (CTI)	IEC 60112	600 V
Relative Thermal Index (RTI)	UL 746B	125 °C
MVTR	ISO 15106-2	1.5 g/m ² /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	55 mPa / 57 mPa
Elongation (MD / TD)	ASTMD882	370% / 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

TOMARK  **WORTHEN**