

# ULTRAMET® PCR PET

## METALLIZED POLYESTER FILM

### Developmental Data Sheet (Imperial)

Metallized one side, Corona Treat other side

A high-adhesion, metallized biaxially oriented polyester film **with 90% content from chemically recycled polyester**. UTRAMET PCR PET performance matches that of traditional ULTRAMET with the same film properties and characteristics. UTRAMET PCR is for demanding applications that require ultra-high metal to PET adhesion. Consistently good handling properties, heat stability, slip, and high tensile strength for easy lamination. Excellent WVTR, OTR, and light barrier properties.

Properties		Typical Value	Units	Test Method
Thickness		0.48	mil	
Yield		41,600	in <sup>2</sup> /lb	
Tensile Strength	MD	29,000	psi	ASTM D882
	TD	31,000		
Elongation	MD	140	%	ASTM D882
	TD	110		
Optical Density		2.0		CMP OD-1
Light Transmission		< 1.0	%	
WVTR		0.05	g/100in <sup>2</sup> /24 hr	ASTM F1249 (100° F, 90% RH)
OTR		0.07	cc/100in <sup>2</sup> /24 hr	ASTM D3985 (73.4° F, 50% RH)
Metal Adhesion		>1000 *	g/in	CMP MA-1
		>500 **		CMP MA-2

\*Certified metal adhesion value tested heat sealing the sample to EAA/Paper/Foil laminate at 250°F/40psi/5s

\*\*Value in solvent-based adhesive lamination (PET/Adhesive/Metal/PET). LOCTITE Liofol LA 3709/6055. Cured at 35°C/48h.

The polyester side is in compliance with the regulation FDA 21 CFR 177.1630 (f, g, h) and EU Directive 2002/72 and 2011/10.

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