



celplast
metallized products



CERAMIS® Ultra CPP-009 **SILICON OXIDE-COATED (SiOx)** **POLYPROPYLENE FILM**

Developmental Data Sheet **SiOx One Side, Heat Sealable Other Side**

- CPP-009 is a SiOx-coated polypropylene film with clear transparent appearance and exceptional barrier performance.
- Shelf life of six months in the original packaging
- Suitable for non-retort high barrier packaging applications.
- The non-SiOx side is heat sealable, although not recommended as the primary sealant.
- The non-SiOx side is treated for further conversion.

Properties	Typical Value		Units	Test Method
Yield	43,100		in ² /lb	
Thickness	0.70 18		Mil µm	
Tensile Strength	14,503 31,908	MD TD	Psi	ISO 527-1-2 (Test speed 100%/min; 73.4°C, 50% rh)
Elongation at break	200 40	MD TD	%	ISO 527-1-2 (Test speed 100%/min; 73.4°C, 50% rh)
Haze	5.0		%	ASTM D1003-92
Coefficient of friction (dynamic)	0.60 0.40	SiOx/SiOx oPP/oPP	-	DIN EN ISO 8295
WVTR	<0.0065		g/100in ² /24 hr.	ASTM F1249-90 (73.4° F, 85% RH) CPP009/adhesive solvent based/2.8mi cPP
OTR	<0.0065		cc/100in ² /24 hr.	ASTM F1927-07 (73.4° F, 50% RH) CPP009/adhesive solvent based/2.8mi cPP

This product is in compliance with the regulation FDA 21 CFR 177.1630. When laminated to an approved substrate, the laminate is compliant with the requirements of EU directive 2002/72/EC.

The information and opinions herein are believed to be true and accurate and presented without guarantee or responsibility on our part. No recommendation for use of our product is intended as a patent infringement. No warranty of any kind with respect to patents held by others is implied or intended.