

**CERAMIS<sup>®</sup> Ultra CPP-009**  
**SILICON OXIDE-COATED (SiOx)**  
**POLYPROPYLENE FILM**

**Developmental Data Sheet (metric)**

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.
- The non-SiOx side is heat sealable, although not recommended as the primary sealant.
- The non-SiOx side is treated for further conversion.
- **Application:** non-retort transparent high barrier packaging applications.

Properties	Typical Value		Units	Test Method
<b>Yield</b>	61,30		m <sup>2</sup> /kg	
<b>Thickness</b>	0,70 18		Mil µm	
<b>Tensile Strength</b>	MD TD	100 220	N/mm <sup>2</sup>	ISO 527-1-2 (Test speed 100%/min; 23°C, 50% rh)
<b>Elongation at break</b>	MD TD	200 40	%	ISO 527-1-2 (Test speed 100%/min; 23°C, 50% rh)
<b>Haze</b>	5,0		%	ASTM D1003-92
<b>Coefficient of friction (dynamic)</b>	0,60 <0,40		SiOx/SiOx oPP/oPP	DIN EN ISO 8295
<b>WVTR</b>	<0,10		g/(m <sup>2</sup> d)	ASTM F1249-90 (73.4° F, 85% RH) CPP009/adhesive solvent based/2.8mi cPP
<b>OTR</b>	<0,10		cm <sup>3</sup> /(m <sup>2</sup> bar d)	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.