



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. SiOx coated on one side and heat sealable on the other side, although not recommended as primary sealant.

Shelf life of six months in the original packaging.

Application: non-retort transparent high barrier packaging applications.

Properties	Typical Value		Unit	Test Method
Yield	43,100		in ² /lb	
Thickness	0.70 18		Mil µm	
Tensile Strength	MD TD	14,503 31,908	psi	ISO 527-1-3 (Test speed 100%/min; 73.4°C, 50% rh)
Elongation at break	MD TD	200 40	%	ISO 527-1-3 (Test speed 100%/min; 73.4°C, 50% rh)
Haze	5.0		%	ASTM D1003-92
Coefficient of friction (static)	0.60 0.40		SiOx/SiOx oPP/oPP	DIN EN ISO 8295 (ambient temperature)
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.

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