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CERAMIS® CPN-003

SILICON OXIDE-COATED PLA FILM

Typical Values

CPN-003 is an SiOx -coated Poly (Lactic Acid) film with a combination of excellent clarity, very good barrier properties, and heat seals to itself. This grade is ideally suited for applications that require good barrier, high clarity and full compostability.

Properties	Typical Value	Units	Test Method
Yield	28,100	in ² /lb	
Thickness	0.80 20	Mil µm	
Tensile Strength	14,500 MD 29,000 TD	Psi	ASTM D882
Elongation at break	190 MD 90 TD	%	ASTM D882
Heat Shrinkage	1.3 MD 0.1 TD	%	DIN 40634 150°C, 15 min
Haze	≤3.0	%	ASTM D1003-92
Heat Seal Range	185-284	°F	
Compostability	Passed	-	ASTM D6400
WVTR	1.3	g/100in ² /24 hr.	ASTM F1249-90 (73.4° F, 85% RH) Unlaminated
WVTR	<0.32	g/100in ² /24 hr.	ASTM F1249-90 (73.4° F, 85% RH) Laminated to 80ga PLA
OTR	1.3	cc/100in ² /24 hr.	ASTM D-3985 (73.4° F, 50% RH) Unlaminated
OTR	<0.32	cc/100in ² /24 hr.	ASTM D-3985 (73.4° F, 50% RH) Laminated to 80ga PLA

The PLA side is approved for direct food contact. When laminated to an approved substrate, the laminate is compliant with the requirements of EU directive 2002/72/EC. CERAMIS® PLA-SiOx films are certified by DIN CERTCO and entitled to mark the films with the Compostability Logo, registry no. 7P0116.

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