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CERAMIS® CPN-001

SILICON OXIDE-COATED PLA FILM

CPN-001 is an SiO_x-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
Thickness	80	gauge	
Yield	28,100	in ² /lb	
Tensile Strength	80 MD 120 TD	N/mm ²	ISO 527-1-2
Elongation	180 MD 80 TD	%	ISO 527-1-2
Surface Energy	54 SiO _x side >37 PLA side	dyne	DIN EN ISO 8295
Haze	3.0	%	ASTM D1003-92
Heat Seal Range	80 - 130	°C	
Compostability	Passed	-	ASTM D6400
Oxygen Transmission Rate	0.5	cc/100 in ² /d	ASTM D3985-81 @ 23°C, 50%RH Laminate to 80 µm PLA
Water Vapor Transmission Rate	0.5	g/100 in ² /d	ASTM F372-78 @ 25°C, 90%RH Laminate to 80 µm 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-SiO_x films are certified by DIN CERTCO and entitled to mark the films with the Compostability Logo, registry no. 7P0116.

For more information, visit us at <http://cmp.celplast.com>.

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June 2009