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CERAMIS® CPT-019

SILICON OXIDE-COATED POLYESTER FILM

Typical Values

CPT-019 is a SiO_x -coated PET film with a combination of excellent barrier properties and matte appearance. This grade is suitable for transparent high barrier packaging applications
SiO_x Layer Thickness: ~ 50 nm

Properties	Typical Value		Units	Test Method
Yield	42,200		in ² /lb	
Thickness	0.48		Mil	
	12		µm	
Tensile Strength	29,000	MD	Psi	ASTM D882
	27,550	TD		
Elongation at break	100	MD	%	ASTM D882
	110	TD		
Heat Shrinkage	2.0	MD	%	DIN 40634 300°F, 30 min
	1.0	TD		
Optical Transparency / Haze	87 / 47		%	ASTM D1003-92
Coefficient of friction (static)	0.70	SiO _x / SiO _x	-	DIN EN ISO 8295
	0.40	PET/PET	-	DIN EN ISO 8295
Water Vapor Transmission Rate	0.10	Unlaminated	g/100in ² /24 hr.	ASTM F1249-90 (73.4° F, 85% RH)
	0.019	Laminated to 3.0 mil CPP	g/100in ² /24 hr.	ASTM F1249-90 (73.4° F, 85% RH)
Oxygen Transmission Rate	0.16	Unlaminated	g/100in ² /24 hr.	ASTM F1249-90 (73.4° F, 85% RH)
	0.04	Laminated to 3.0 mil CPP	cc/100in ² /24 hr.	ASTM D-3985-2005 (73.4° F, 50% RH)

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.

MD = machine direction, TD = transverse direction
All values are with a ± 10% tolerance

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