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CERAMIS[®] CPT-036

SILICON OXIDE-COATED POLYESTER FILM

Typical Values

CPT-036 is a SiO_x -coated PET film with a combination of excellent clarity and excellent barrier properties. This grade is suitable for transparent high barrier packaging applications
SiO_x Layer Thickness: ~ 50 nm

Properties	Typical Value		Units	Test Method
Yield	53,2		m ² /kg	
Thickness	0.56 14		Mil µm	
Tensile Strength	230 MD 230 TD		N/mm ²	ISO 527-1-2
Elongation at break	110 MD 110 TD		%	ISO 527-1-2
Heat Shrinkage	1.3 MD 0.1 TD		%	DIN 40634 150°C, 15 min
Haze	4.0		%	ASTM D1003-92
Static COF	0.70 SiO _x /SiO _x 0.40 PET/PET		-	DIN ISO8295
WVTR	Laminated to 70 µm CPP	< 0,20	g/m ² /24 hr.	ASTM F1249-90 (37,8° C, 85% RH)
OTR	Laminated to 70 µm CPP	< 0,05	cc/m ² /24 hr.	ASTM D-3985 (23,0° C, 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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