



**celplast**  
metallized products



## **CERAMIS® CPT-019**

### **SILICON OXIDE-COATED POLYESTER FILM**

#### **Typical Values**

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

Properties	Typical Value		Units	Test Method
Yield	60		m <sup>2</sup> /kg	
Thickness	0.48 12		Mil µm	
Tensile Strength	200 190	MD TD	N/mm <sup>2</sup>	ASTM D882
Elongation at break	100 100	MD TD	%	ASTM D882
Heat Shrinkage	2.0 1.0	MD TD	%	DIN 40634 150°C, 30 min
Optical Transparency / Haze	87 / 47		%	ASTM D1003-61
Coefficient of friction (static)	0.70	SiO <sub>x</sub> / SiO <sub>x</sub>	-	DIN EN ISO 8295
	0.40	PET/PET	-	DIN EN ISO 8295
WVTR	0,3	Laminated to 75 µm CPP	g/m <sup>2</sup> /24 hr.	ASTM F1249-90 (23° C, 85% RH)
OTR	0,5	Laminated to 75 µm CPP	cc/m <sup>2</sup> /24 hr.	ASTM D-3985-2005 (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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January 2018