



**celplast**  
metallized products



## **CERAMIS® CPT-026**

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

#### **Typical Values**

CPT-026 is a SiO<sub>x</sub> -coated PET film with a combination of good 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	42,200		in <sup>2</sup> /lb	
Thickness	0.48		Mil	
	12		µm	
Tensile Strength	29,000 27,550	MD TD	Psi	ASTM D882
Elongation at break	100 110	MD TD	%	ASTM D882
Heat Shrinkage	1.3 0.1	MD TD	%	DIN 40634 300°F, 30 min
Optical Transparency / Haze	87 / 47		%	ASTM D1003-92
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	Not specified	Laminated to 3.0 mil CPP	g/100in <sup>2</sup> /24 hr.	ASTM F1249-90 (73.4° F, 85% RH)
OTR	0.0968	Laminated to 3.0 mil CPP	cc/100in <sup>2</sup> /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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