



celplast
metallized products



CERAMIS® CPT-002

SILICON OXIDE-COATED POLYESTER FILM

Typical Values

CPT-002 is an SiOx -coated PET film with a combination of excellent clarity and outstanding barrier properties. This grade also withstands retorting temperatures up to 135°C and retains its barrier properties during Gelbo flexing. It is ideally suited for retort pouch applications.

Properties	Typical Value	Units	Test Method
Yield	41,800	in ² /lb	
Thickness	0.48 12	Mil µm	
Tensile Strength	33,500 MD 37,500 TD	Psi	ISO 527-1-2
Elongation at break	110 MD 90 TD	%	ISO 527-1-2
Heat Shrinkage	1.3 MD 0.1 TD	%	DIN 40634 150°C, 15 min
Haze	2.5	%	ASTM D1003-92
Static COF	2.1 SiOx/SiOx 0.40 PET/PET	-	DIN ISO8295
WVTR	0.18	g/100in ² /24h	ASTM F1249-90 (73.4° F, 85% RH) Unlaminated
WVTR	0.039 Post-retort @121°C, 30 min	g/100in ² /24h	ASTM F1249-90 (73.4° F, 85% RH) Laminated 92g PET/ CPT-002/ 3.6mil CPP
OTR	0.07	cc/100in ² /24h	ASTM D-3985 (73.4° F, 50% RH) Unlaminated
OTR	0.032 Post-retort @121°C, 30 min	cc/100in ² /24h	ASTM D-3985 (73.4° F, 50% RH) Laminated 92g PET/ CPT-002/ 3.6mil CPP

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.

The information and opinions herein are believed to be true and accurate and presented without guarantee or responsibility on our part. No recommendation for use of our product is intended as a patent infringement. No warranty of any kind with respect to patents held by others is implied or intended.