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CERAMIS® CPT-002

SILICON OXIDE-COATED POLYESTER FILM

CPT-002 is an SiO_x-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
Thickness	48	gauge	
Yield	41,800	in ² /lb	
Tensile Strength	230 MD 260 TD	N/mm ²	ISO 527-1-2
Elongation	110 MD 90 TD	%	ISO 527-1-2
Heat Shrinkage	1.3 MD 0.1 TD	%	150°C, 15 min.
Haze	2.5	%	ASTM D1003-92
Static COF	2.1 SiO _x /SiO _x 0.4 PET/PET	-	DIN EN ISO 8295
Oxygen Transmission Rate	0.02 pre-retort 0.02 post-retort @ 121°C, 30 min	cc/100 in ² /d	ASTM D3985-81 @ 23°C, 50%RH Laminate 92g PET / CPT-002 / 80 µm CPP
Water Vapor Transmission Rate	0.03 pre-retort 0.05 post-retort @ 121°C, 30 min	g/100 in ² /d	ASTM F372-78 @ 38°C, 90%RH Laminate 92g PET / CPT-002 / 80 µm CPP

The polyester side is in compliance with the regulation FDA 21 CFR 177.1630; approved for direct food contact. When laminated to an approved substrate, the laminate is compliant with the requirements of EU directive 2002/72/EC.

For more information, visit us at <http://cmp.celplast.com>.

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