

HARDCOATED FILM / OC™ 300

CPFilms optically clear (OC™ 300) indium tin oxide (ITO) coating on hardcoated polyester films. On request, OC300 is available on other specialty substrates.

Substrate (PET/ Hardcoat) Properties

PROPERTIES	TYPICAL VALUES	TEST METHODS
PET Thickness	7 Mil	Micrometer
Hardcoat Thickness	4 Micron	CPFilms
Shrinkage Value (%) MD/TD	Standard = 0.9/0.3 Heat Stabilized=0.2	150°C / 30mins
VLT (%)	88	Hazegard Plus
Haze (%)	Antiglare = 7.0 Clear = 1.4	Hazegard Plus
60 ° Gloss (GLU)	Antiglare=100 Clear = 162	BYK Tri gloss
Coating Adhesion	5B	CPFilms
Taber Abrasion (%)	Initial haze + 4	CPFilms
Pencil Hardness	3H	Paul Gardner
Steel Wool Test	No Scratches	#0000, 200g 60 times
Humidity	No Deterioration	60° C / 95% R.H. 720 hrs
Flexibility (Flex & Bend)	0.5 inch	180° (1 x)
PET Scratches	≤ 1/2 mil wide by 1/4" long	Microscope
Dimples	≤ 1/32" in height or depth and < 1/2 mil in diameter	Microscope
PET Gauge Variation	≤ 6 microns variation	Micrometer

OC300 Properties

Properties	Typical Values	Test Methods
Resistance (ohms/sq.)	300	CPFilms
VLT (%)	87	Hazegard Plus
Color b	3.2	Hunterlab
Adhesion (R/Ro)	1.2	CPFilms
Abrasion (R/Ro)	1.2	CPFilms
Heat test (R/Ro)	1.2	150°C / 1 hr
Humidity (R/Ro)	1.2	60°C / 95% R.H. 24 hrs

Note: Transmittance and resistance values depend on the base film. The above values are typical of OC300 product on optical grade polyester film with antiglare or clear hardcoat, but are not intended to be specifications. Data are typical values and not absolute.

Availability

For price and availability information, please contact our Sales Department. Evaluation samples and technical support are available.

Note: To the best of our knowledge, all information contained in this document is accurate. However, CPFilms does not assume liability whatsoever for the accuracy or completeness of the information contained herein.

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