

KD50

Product Description

CPFilms optically clear (OC™50) indium tin oxide (ITO) coating on clear hardcoated polyester films. On request, OC™50 is available on other specialty substrates. Excellent uniformity, low WVTR, enhanced durability, clear and smooth surface, etc.

KD50 Structure

OC™ 50
CL HC
PET
CL HC

Availability

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

Clear Hardcoat / PET/ Clear Hardcoat Properties

	Typical Values	Test Method
PET Thickness	7.3 – 7.9 mil	Micrometer
Hardcoat Thickness	4 micron	CPFilms
Shrinkage Value (%)	0.2	150°C / 30mins
VLT (%)	92	Hazegard Plus
Haze (%)	0.7	Hazegard Plus
60 ° Gloss (GLU)	162	BYK Tri gloss
Color b*	1.2	Hunterlab
Coating Adhesion	5B	CPFilms
Taber Abrasion (%)	Initial haze + 4	CPFilms
Pencil Hardness	3H	CPFilms
Steel Wool Test	No Scratches	#0000, 200g 60 times
Acetone & Ethanol Rub Test	No Deterioration	2Kg, 50 strokes
Chemical Resistant (Acetone, Ethanol, Ammonia)	No Deterioration	R.T. 24 hrs
Thermal Shock	No Deterioration	CPFilms
Humidity	No Deterioration	60° C / 95% R.H. 720 hrs
Flexibility (Flex & Bend)	0.5 inch	180° (1 x)

KD50 Properties (*)

Note (*): Transmittance and resistance values depend on the base film. The above values are typical of OC50 on optical grade polyester film with clear hardcoat, but are not intended to be specifications. Data are typical values and not absolute.

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

	Typical Values	Test Method
Resistance (ohms/sq.)	50	CPFilms
VLT (%)	85	Hazegard Plus
Color b	2.4	Hunterlab
WVTR (gm/m ² /day)	0.01	Mocon Permatran-W
Adhesion (R/Ro)	1.05	CPFilms
Abrasion (R/Ro)	1.05	CPFilms
Heat test (R/Ro)	0.95	150°C / 30 minutes
Humidity (R/Ro)	0.95	60°C / 95% R.H. 24 hrs

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