



# Chemtech International Co., Ltd.

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## \* Product Name: ICHOR 9710H-A

- Bendable UV-curing coating solution for CPI (Applicable field: substrates of CPI and bendable plastics for display and smartphone)
- Properties: Abrasion and Mar-resistance, Low Curl, Optical Property, Slip & Easy Clean

### \* Coating conditions (drying, curing, post aging)

- Drying conditions: 100°C, 1min / UV curing conditions: 1500mJ/Cm<sup>2</sup>

### \* Properties Data

ITEM		SPECIFICATION
<b>Solid Content (wt. %)</b>		40% ± 0.5 (150, 30min)
<b>Viscosity(cps)</b>		Below 200/25°C. 61s, 60RPM
<b>Specific Gravity</b>		Below 1.0± 0.3 /25°C.
<b>Appearance &amp; Color</b>		Clear ~ Light Yellow Color
<b>Storage/Shelf Life</b>		Storage: 0 ~ 10°C, Shelf Life; 5 months when unopened, 1 month after opening
<b>Curing Condition</b>		After drying at 100°C for 1 minute, UV curing(1500 mJ / cm <sup>2</sup> )
<b>Coating Substrate</b>		CPI(KOLON), 50 µm
<b>Bar Number</b>		#24
<b>Coating Thickness</b>		10 µm
INSPECTION ITEM		SPECIFICATION
<b>Properties</b>	<b>Pencil Hardness</b>	4H(1kg) / 5H(750g)
	<b>Adhesion</b>	100/100/3M Magic Tape
	<b>Bending Test</b>	3.5mm, No Crack
	<b>Curl</b>	Below 20mm
	<b>Scratch Resistance</b>	No Scratch #0000 Steel Wool, 1.5kg Load/1000 PASS(10 µm)
	<b>Chemical Resistance</b>	Alcohol, 25 °C, 4hr
	<b>Hot Water Resistance</b>	PASS, 90~ 95 °C, 60min
	<b>Transmittance</b>	Above 90% , UV Spectrometer

\* Pencil Hardness; Measured according to KS M ISO 15184: 2013, Adhesion: D 3359 method.

\* The above data are analyzed according to the self-performance evaluation standard of Chemtech International Inc. and do not indicate the absolute substance characteristic value in all the applied environments.