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## \* Product Name: ICHOR 9754F

- UV curing hard coating solution for forming (Applicable field: substrates of PET, PMMA and plastics for display and smartphone)

- Properties: Forming, High Hardness, Abrasion and Mar-resistance, Optical Property, Slip & Easy Clean

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

- Drying conditions: 100°C, 1min / UV curing conditions: 300mJ/Cm<sup>2</sup>

- Post aging: Aging work (hardness improvement and curl reduction) at 55 ° C for 24 hours by winding on roll(85mm)

### \* Properties Data

ITEM		SPECIFICATION
Solid Content (wt. %)		50% ± 0.5 (150, 30min)
Viscosity(cps)		Below 200/25°C. 61s, 60RPM
Specific Gravity		Below 1.0± 0.3 /25°C.
Appearance & Color		Clear ~ Light Yellow Color
Storage/Shelf Life		Storage: 0 ~ 10°C, Shelf Life; 5 months when unopened, 1 month after opening
Curing Condition		After drying at 100°C for 1 minute, UV curing(300 mJ / cm <sup>2</sup> )
Coating Substrate		PET(SK3 TH46Y), 188 μm
Aging		Aging work at 55° C for 24 hours by winding on roll(85mm)
Bar Number		#22 / #34
Coating Thickness		10 μm / 18 μm
INSPECTION ITEM		SPECIFICATION
Properties	Pencil Hardness	4H(0.75kg) / 4H(1kg)
	Adhesion	100/100/3M Magic Tape
	Bending Test	30mm, No Crack
	Curl	Below 20mm
	Scratch Resistance	No Scratch #0000 Steel Wool, 1kg Load/500 PASS(18 μm)
	Chemical Resistance	Alcohol, 25 °C, 4hr
	Hot Water Resistance	PASS, 90~ 95 °C, 60min
	Transmittance	Above 90% , UV Spectrometer

\* Pencil Hardness; KS M ISO 15184:2013, Adhesion: D 3359 방법에 의거하여 측정됨.

\* 상기 DATA는 (주) 케멕인터내셔널의 자체 성능 평가 기준에 의해 분석된 수치이며, 적용되는 모든 환경에서 절대적인 물질 특성치를 나타내는 것은 아닙니다.