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* Product Name: ICHOR 9777H

- AFP UV curing type Coating solution of High Anti-Scratch (Applicable field: substrates of PET, PMMA and plastics for display and smartphone)

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

* Coating conditions (drying, curing)

- Drying conditions: 100°C, 1min / UV curing conditions: 500mJ/Cm²

* Properties Data

ITEM		SPECIFICATION
Solid Content (wt. %)		40% ± 0.5 (150, 30min)
Viscosity(cps)		Below 200/25°C. 61s, 60RPM
Specific Gravity		1± 0.3 /25°C.
Appearance & Color		Opaque liquid
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 ²)
Coating Substrate		PET(SK TH46Y), 188 µm
Aging		Aging work at 55° C for 24 hours by winding on roll(85mm)
Bar Number		#10
Coating Thickness		2~ 3 µm
INSPECTION ITEM		SPECIFICATION
Properties	Pencil Hardness	2H(1kg)
	Adhesion	100/100/3M Magic Tape
	Bending Test	5mm, No Crack
	Curl	Below 5mm
	Scratch Resistance	No Scratch #0000 Steel Wool, 1kg Load/10,000 PASS(5 µm Coating thickness)
	Chemical Resistance	Alcohol, 25 °C, 4hr
	Hot Water Resistance	PASS, 90~ 95 °C, 60min
	투과율	Above 90% , UV Spectrometer

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

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