

TEST REPORT

Different cover glass surface treatments and tests

[Sample Description] Cover Glass

(1)Apple iPhone (2) htc Sensation (3)SAMSUNG Galaxy Tab



Noted:LIQUID-ARMOR applied on the lower half of each glass

[Test Description]

- (1) Pencil hardness : Instrument: ZEHNTNER/ ZSH2090
- (2) Contact angle test : Instrument: AST/ OPTIMA XE
- (3) Transparence test : Instrument: SHIMADZU/ UV3600
- (4) Wet abrasion scrub test : Instrument: Sheen 902/2

Please refer to next pages

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[Test Results]

Test Items	Method (Refer to)	blank	coated L-A
Pencil hardness	(1)	9H	9H
Water contact angle (°)	(2)	57	114
CH ₂ I ₂ contact angle (°)		58	90
C ₁₆ H ₃₄ contact angle (°)		17	64
Transparence (%)	(3)	88	88
Note1: Water contact angle test: higher contact angle means more hydrophobic Note2: CH ₂ I ₂ and C ₁₆ H ₃₄ test: higher contact angle means more oleophobic			

◆ Wet abrasion scrub test (20,000 times)(Method4)

Test Items	Method (Refer to)	blank	coated L-A
Pencil hardness	(1)	9H	9H
Water contact angle (°)	(2)	36	105
CH ₂ I ₂ contact angle (°)		53	73
C ₁₆ H ₃₄ contact angle (°)		12	45
Transparence (%)	(3)	88	88
Note1: Water contact angle test: higher contact angle means more hydrophobic Note2: CH ₂ I ₂ and C ₁₆ H ₃₄ test: higher contact angle means more oleophobic			

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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