

PRODUCTS			STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	
SUBJECT	TEST METHOD		01S	05S	10S	60S	80S	01AFP/PC	10A/PC	15A/PC	60A/PC	60STA	P01A
	Structure			UV Stabilized Clear HC UV Block PET	UV Stabilized Anti Glare HC UV Block PET	UV Stabilized Anti Glare HC UV Block PET	UV Stabilized Anti Glare HC UV Block PET	UV Stabilized Textured HC UV Block PET	Clear HC + AFP PC	Anti Glare HC PC	Anti Glare HC PC	Anti Glare HC PC	UV Stabilized Anti Glare HC PET
Optical Properties	Haze (%)	ASTM D1003	≤ 1.5	4 - 6	7 - 11	50 - 60	72 - 86	≤ 2.0	7 - 11	11 - 16	55 - 65	50 - 60	≤ 1.5
	Total Transmission (%)	ASTM D1003	≥ 90	≥ 90	≥ 90	≥ 88	≥ 85	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90
	60° Gloss (%)	ASTM D523	≥ 150	≥ 100	≤ 100	≤ 40	7 - 13	≥ 150	≥ 90	≥ 70	≥ 18	< 40	≥ 150
	Clarity (%)	BYK Gardher	≥ 90	≥ 85	≥ 75	≤ 40	—	≥ 90	≥ 75	≥ 65	≥ 35	≤ 40	≥ 90
	UV transmission at 380 nm <small>*60S and 60AST are UV transmission at 370 nm</small>	ASTM D1003	2.0 ± 1.0	2.0 ± 1.0	2.0 ± 1.0	≤ 5	≤ 2% ± 1	—	—	—	—	—	4.0 ± 1.0
Hardness	b*	ASTM D2244	2.0 ± 1.0	2.0 ± 1.0	2.0 ± 1.0	≤ 5	≤ 5	—	—	—	—	3.0 ± 1.0	—
	Pencil Hardness	ASTM D3363	2H	2H	2H	2H	3H - 4H	B - HB	B - HB	B - HB	B - HB	2H	2H
	Steelwool #0000	KTI Method	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Mandrel Flex, 1/8, 1/4		ASTM D3311	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Chemical Resistance	Ketone	DIN 42 115	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
	Ester		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
	IPA		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
	Toluene		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Adhesion (Cross Cut / Tape)		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
Base Substrate		UV Block PET	UV Block PET	UV Block PET	UV Block PET	UV Block PET	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polyester	Polyester
Standard Thickness		5 mil, 7 mil	5 mil, 7 mil	5 mil, 7 mil	5 mil, 7 mil	5 mil, 7 mil	7 mil	7 mil	7 mil	7 mil	7 mil	5 mil, 6 mil, 7 mil	5 mil, 6 mil, 7 mil
Additional Function		—	—	—	—	—	Anti-fingerprint	—	—	—	—	—	—
Printability		Non-Printable	Non-Printable	Non-Printable	Non-Printable	Non-Printable	Sol/UV Printable	Sol/UV Printable	Sol/UV Printable	Sol/UV Printable	Sol/UV Printable	Sol/UV Printable	Sol/UV Printable
Application		Screen Protection	Screen Protection	Screen Protection	Screen Protection	Screen Protection	Touch Pads Membrane Switch Labels Name Plate	Touch Pads Membrane Switch Labels Name Plate	Touch Pads Membrane Switch Labels Name Plate	Touch Pads Membrane Switch Labels Name Plate	Touch Pads Membrane Switch Labels Name Plate	Touch Pads Membrane Switch Labels Name Plate	Touch Pads Membrane Switch Labels Name Plate
Note	Applying Protection Film Available upon Request Other Thickness Available upon Request												

\*The table shows typical test results and does not guarantee material value.