



Flexiber Film

General Specification Chart

KIMOTO
HARD COAT FILM

PRODUCTS			STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	
SUBJECT	TEST METHOD	01A	01AFP	05A	10A	15A	20A	40A	60A	70A	80A	AGAN	
		Structure		Clear HC PET	Clear HC + AFP PET	Anti Glare HC PET	Anti Glare HC PET	Anti Glare HC PET	Anti Glare HC PET	Anti Glare HC PET	Anti Glare HC PET	Anti Glare HC PET	Textured HC PET
Optical Properties	Haze (%)	ASTM D1003	≤ 1.0	≤ 1.5	4 - 6	7 - 11	13 - 17	15 - 25	35 - 45	50 - 60	65 - 77	76 - 86	5 - 8
	Total Transmission (%)	ASTM D1003	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90	> 90	90	≥ 90
	60° Gloss (%)	ASTM D523	≥ 150	≥ 150	≥ 100	≤ 100	≥ 100	45 - 55	20 - 30	15 - 25	10 - 25	10 - 25	≤ 95
	Clarity (%)	BYK Gardher	≥ 90	≥ 90	≥ 75	≥ 75	≥ 75	≥ 70	≤ 40	≤ 40	—	—	≥ 75
Hardness	Pencil Hardness	ASTM D3363	2H	2H	2H	2H	2H	2H	2H	2H	2H	≥ 3H	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	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		Polyester	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester	
Standard Thickness		5 mil, 6 mil, 7 mil	5 mil, 6 mil, 7 mil	5 mil, 6 mil, 7 mil	5 mil, 6 mil, 7 mil	5 mil, 6 mil, 7 mil	5 mil, 6 mil, 7 mil	5 mil, 6 mil, 7 mil	5 mil, 6 mil, 7 mil	5 mil, 6 mil, 7 mil	5 mil, 6 mil, 7 mil	5 mil, 6 mil, 7 mil	
Additional Function		—	Anti-fingerprint	—	—	—	—	—	—	—	—	Anti Newton	
Printability		Sol/UV Printable	Sol/UV Printable	Sol/UV 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 Membrane Switch Labels Name Plate	Screen Protection Membrane Switch Labels Name Plate	Screen Protection Membrane Switch Labels Name Plate	Touch Pads Screen Protection 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	Touch Pads Membrane Switch Labels Name Plate	Screen Protection
Note		Applying Protection Film Available upon Request Other Thickness Available upon Request											

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