

# TEST CERTIFICATE

FROM :Semitech Materials Company

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GRADE : FPM-38AC

Specification		Units	Spec.	Measured Values	Test Methods
Size	Width	mm	495 ± 5	495	Scale
	Length	M	300 +2	302	Encoder
Average Thickness		μm	38±2	38.1	Micrometer Methods
Tensile Strength	MD	Mpa	280±50	289.0	ASTM-D882
	TD		240±50	244.0	
Elongation at Break	MD	%	120±50	125	
	TD		160±50	158	
Heat Shrinkage	MD	%	1.4±1.00	1.39	ASTM D-2305 (150°C/30min)
	TD		0.2±1.00	0.2	
Transmittance		%	87±2	87	ASTM D-1003
Haze			3.5±1.2	3.51	
Antistatic Coating	Inside	Dyne	Massing	OK	Accu Dyne Pen (58 Dyne)
	Outside		Spread	OK	
Resistance		Ω/□	less than $11 \times 10$	$2 \times 10^4$	ASTM D-257
External	Shifted layer(roll edge) : less than 1mm			OK	Naked Eye
	Projecsjon edge : None			OK	
	Alien substance : less than 2EA/m <sup>2</sup>			OK	
	None of dent, scratch, crease and etc.			OK	
Guarantee			6 month		

Remark