

T91 - 92%VLT Hi-Temperature Adhesive Smart Film

Technical Data

A. Parameters

Item		Status	Unit	Tolerance	Value
Optical properties	VLT	On	%	±2	92
		Off	%	±2	83
	Haze	On	%	±0.5	2.0
		Off	%	±1	99
	View Angle	On	°	/	150
Electrical properties	Working Voltage	On	AC/V	/	48~60(50/60HZ)
	Response time	On→Off	ms	/	≤200
		Off→On	ms	/	≤10
	Power Consumption	On	W/m ²	/	<5
Shrinkage	TD	/	%	/	≤0.5
	MD	/	%	/	≤1.0
Working Principle		On	/	/	Clear
		Off	/	/	Opaque
Using Layer Thickness		/	μm	±10	482
Peel Strength		/	N/25mm	±0.1	0.5
Color difference ΔE (reflective)		Off	CIELAB	/	≤2.5
Working Temperature		/	°C	/	-20~105°C
Storage Temperature		/	°C	/	-20~105°C
Storage Humidity		/	%	/	20~60
Lifetime		On	h	/	>80000

B. Appearance quality (custom cut and roll)

Defective Item	Size	Quality requirements
Dots on the film	$\Phi \leq 0.5 \text{ mm}$	Dense existence is not allowed
	$0.5 \text{ mm} < \Phi \leq 1 \text{ mm}$	$S \leq 1$, allowed 1PCS ; $S > 1$, allowed 1PCS
	$\Phi > 1.0 \text{ mm}$	None
Lines on the film	$L \leq 30 \text{ mm}$ And $W \leq 0.2 \text{ mm}$	Without Limitation
	$L > 30 \text{ mm}$ or $W > 0.2 \text{ mm}$	Allowed: (2.0×S)PCS
	$L \leq 50 \text{ mm}$ And $W \leq 0.2 \text{ mm}$	Allowed: (1.0×S)PCSA
Burns/Dots etc		Allowed ≤3pcs/roll, Not exist in Pieces
No liquid crystal/Transparent etc		Allowed ≤2pcs/roll, Not exist in Pieces