

LCD Film Technical Specification

ITEM	MEASURING ARTICLE		TEST CONDITION	UNIT	VALUE
THICKNESS	FILM THICKNESS		MICROMETER	mm	0.5mm +/- 10%
OPTICAL CHARACTER	ON	TRANSMITTANCE	SPECTRO PHOTOMETER		70~75
		HAZE			6~7
	OFF	TRANSMITTANCE			8~9
		HAZE			80~85
DIMENSIONAL STABILITY	HEAT SHRINKAGE	MD	100°C X 30min	%	0.5
		TD			0.5

LCD Film – 175 microns
 Polymer coating – 20 microns
 Protective coatings – 175 microns

Power – 110V
 Frequency 50 – 60Hz
 Electrical current – 0.1 amperes per sq.mtr
 Power consumption – 7 watts per sq.mtr
 Switching – less than 1 second
 Operation mode – ON(transparent) OFF(opaque)
 Light Transmittance – ON(75%) OFF(67%)
 Haze Coefficient – ON(7%) OFF(87%)

Test Procedures:
 Over 3 million switches
 High temp° - >70°C (14 days)
 High temp°/ high humidity - >50°C / 95% RH (14 days)
 Cold temp° - minus 20°C (14 days)