

### LG polarizer spec.

GRADE		LG polarizer	
size		mm	See the below table
angle	Angle of Polarization $\alpha$	°	See the below table
	Angle of New nTAC	°	90.0 ± 0.5
thickness	Total thickness t <sub>1</sub>	μm	280 ± 25
	Thickness of adhesive t <sub>2</sub>	μm	15 ± 5
	Polarizer t <sub>3</sub>	μm	210 ± 20
Peeling force	Glass plate peeling force	N/25mm	Min 4.90
	Separator film peeling force	N/25mm	Max 0.20
	Protective film peeling force	N/25mm	Max 0.98
Optical characteristics	Group transmittance	%	43 ± 2
	The degree of polarization	%	Min 99.985
	UV ray transmittance	%	Max 2.0
	hue	a	NBS
b		NBS	3.5 ± 1.5
Reliability	Hige temp.		80°C*240hrs
	Low temp		-30°C*240hrs
	High humidity		60°C 90%RH *240hrs

Product name	size		$\alpha$ (°)
	long (mm)	short (mm)	
VAT-32	707.9±0.40	404.9±0.30	0.0±1.0
VAT-32	707.9±0.40	404.9±0.30	90.0±1.0
VAT-40	897.6±0.60	510.8±0.50	0.0±1.0
VAT-40	897.6±0.60	510.8±0.50	90.0±1.0
VAT-46	1031.1±0.60	584.7±0.50	0.0±1.0
VAT-46	1031.1±0.60	584.7±0.50	90.0±1.0
VAT-52	1173.0 ± 0.60	669.0± 0.50	0.0±1.0
VAT-52	1173.0 ± 0.60	669.0± 0.50	90.0±1.0