



# M-50 Product testing

Test Items	Standards and equipment	Decision
UV resistant accelerated test	S U V 1000 h	20years without degradation
High temperature and high humidity test	85°C~85% -40°C	200cycles without degradation
Salt-resistant	5%	No change
Chemical resistance(PH4 hydrochloride)	25°C-24 h	No change
Wear test	Taper abrasion apparatus	No degradation
Water resistance test	50°C×72 h Dip	No change
Simulator test (JIS C 8192)	IEC 60904-1 700~1100W/m <sup>2</sup>	No decrease in efficiency
Outdoor exposure test	210 days/Kyoto, Japan	No decrease in efficiency
Transmittance	HITACHI U-4100 300~2000nm	No reduction
AR film chemistry	Sol-gel Etching	No change