

Metallization Specifications

CHROME METALLIZATION SPECIFICATIONS			
PARAMETER	HIGH REFLECTIVE CHROME (HRC)	MEDIUM REFLECTIVE CHROME (MRC)	LOW REFLECTIVE CHROME (LRC)
OPTICAL DENSITY AT $\lambda=436\text{NM}$	2.8±0.2		
DEVIATION WITHIN ACTIVE AREA	<±0.1		
REFLECTIVITY AT $\lambda=436\text{NM}$	60±3%	33±3%	12±2%
FILM THICKNESS	800±50Å	900±50Å	1000±60Å
FILM ADHESION	Excellent		

IRON OXIDE METALLIZATION SPECIFICATIONS		
PARAMETER	IRON OXIDE (IO)	
OPTICAL DENSITY	AT $\lambda=5800\text{Å}$	0.35-0.50
	AT $\lambda=4000\text{Å}$	2.0-2.5
REFLECTIVITY AT $\lambda=436\text{NM}$	25±5%	
FILM THICKNESS	2000Å	
FILM ADHESION	Excellent	
PINHOLES AT 1-4μ AFTER U.S. IPA FOR 2 MINUTES	<0.05ph/cm ²	

PHOTORESIST COATING PARAMETERS	
PHOTORESIST COATINGS	AZ1518 and AZTFP650
PHOTORESIST THICKNESS	5300±100Å Standard Fringeless Photoresist Coating Available