



EMULSION ON MYLAR

Material- Polyethylene terephthalate (PET or Mylar, a thermoplastic polyester)

Minimum feature size-	12 Micron
Transmissive Mode Thickness-	(0.007 +/-0.0003-in., 0,18mm)
Reflective Mode Thickness-	(0.013 +/-0.001-in., 0,33mm)
Maximum operating temperature-	100 C
Thermal Coefficient of Linear Expansion-	.001% per degree F .0018% per degree C
Humidity Coefficient of Linear Expansion-	.0013% per % RH
Specific Gravity	1.39

Temperature Effects

Temperature	Physical Behavior
490 F (255 C)	Melting Point. Solid becomes fluid.
255 F (130 C)	Distortion and Shrinkage. Crystallization Occurs.
>212 F (100 C)	Distortion can occur with non-uniform heating.
212 F (100 C)	Shrinkage up to 0.15% occurs, stabilizes in ~24 hr.
180 F (82 C)	Shrinkage up to 0.06% occurs, stabilizes in ~48 hr.
176 F (80 C)	Transition Temperature. Film loses some stiffness.
120 F (49 C)	Shrinkage up to 0.02% occurs, stabilizes in 10 days.

UL 94V-2 Compliance Meets or exceeds requirements contained in **UL 942V-2**