

DigiTemp Liquid Crystal Sheets

Ready to Use Polyester Sheets Coated with Liquid Crystal

Color Change: As temperature increases, the color of the sheets changes from black to red, red to green, green to blue, and finally to black again.

Material is finished and cut to 12" x 12" size.

Features

- Polyester Based Black Sheets
With or Without an Adhesive Back
- Black Changes to the Visible Spectrum of Color When Heated
- Temperature Sensitive Color Change
68°F - 135°F (20°C - 57°C)

Specifications

Size: 12"×12"

Substrate: 5 mil clear polyester

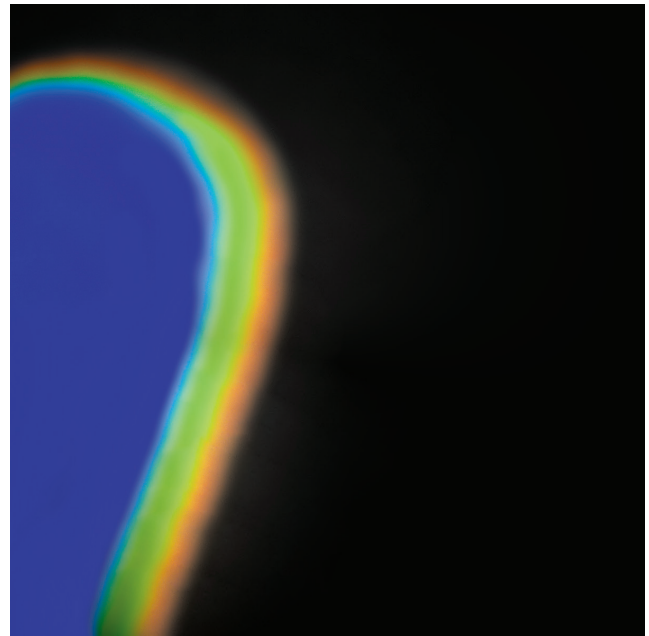
Coating: Silkscreen application of microencapsulated TLC coating
Silkscreen application of black backing ink

Backing: Optional pressure sensitive adhesive with release liner

Properties: The color change properties of the TLC coating (Red, Green, Blue)

Applications:

- Promotional products and ad specialties
- Instructional and educational usage
- General non-destructive testing (NDT) and thermal mapping
- Research (engineering, aerospace)



Range	Red Start		Green Start		Blue Start		Blue to Black		Bandwidth	
	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
R20C5B	20	68	21	70	25	77	41	106	5	9
R25C5B	25	77	26	79	30	86	44	111	5	9
R29C4B	29	84	30	86	33	91	50	122	4	7
R30C5B	30	86	31	88	35	95	46	115	5	9
R35C1B	35	95	35.2	95.5	36	97	49	120	1	2
R35C5B	35	95	36	97	40	104	49	120	5	9
R40C5B	40	104	41	106	45	113	52	126	5	9
R45C5B	45	113	46	115	50	122	57	135	5	9

Red start and green start temperatures quoted in chart are ±1°C (±2.0°F)

Blue start, blue to black and bandwidth temperatures are ±2°C (±4.0°F)