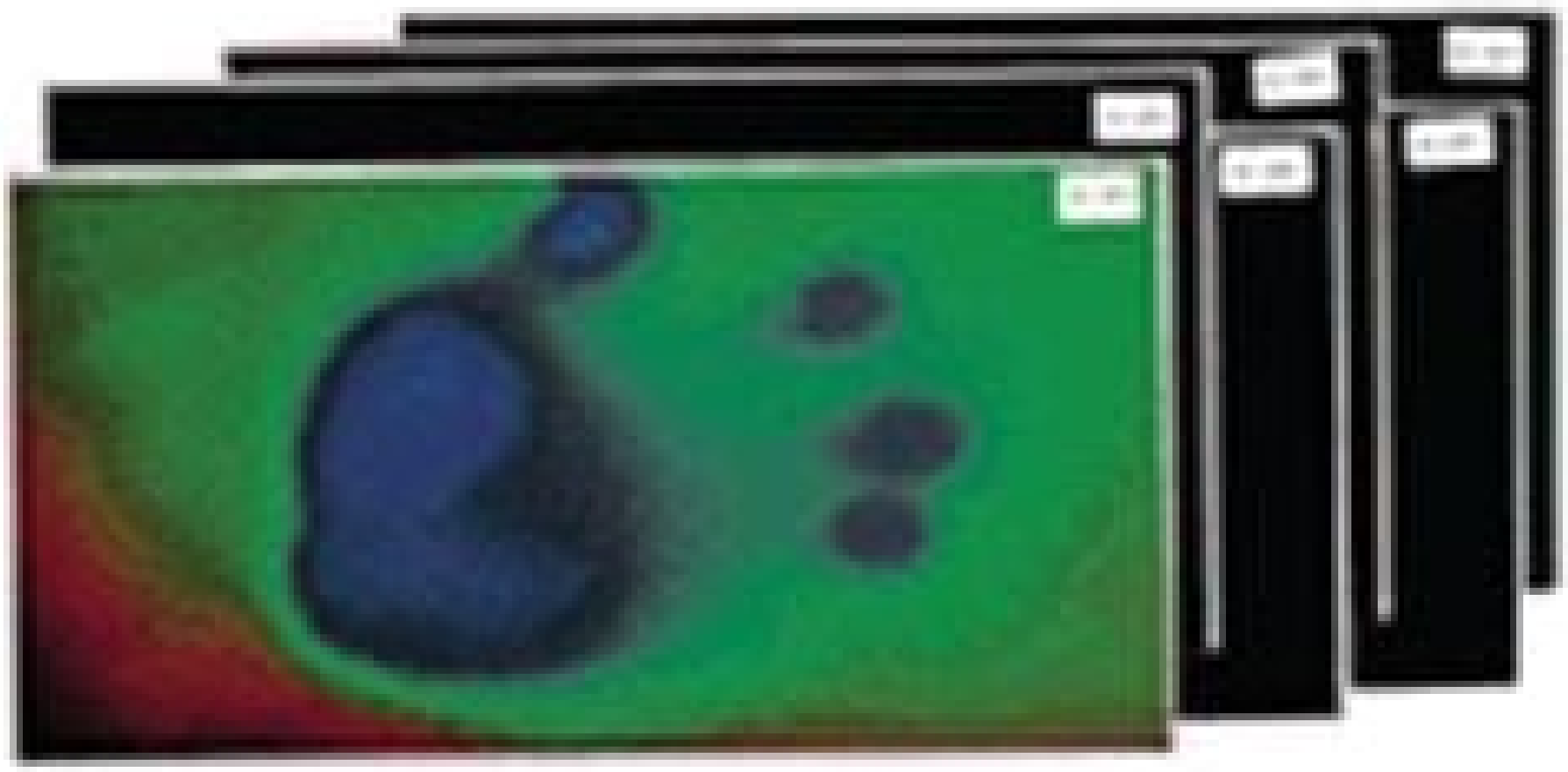
35 - 40° C Temp Range, Liquid Crystal Sheet



Temperature Sensitive Liquid Crystal Sheets

Stock **#72-371** **1 In Stock**

- 1 + **€45.00**

ADD TO CART

Volume Pricing	
Qty 1-4	**€45,00** each
Qty 5-9	**€40,50** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

Physical & Mechanical Properties

Width (inches):

12.00

Thickness (inches):
0.007

Length (inches):
12.00

Environmental & Durability Factors

Operating Temperature (°C):
+35 to +40

Operating Temperature (°F):
95 - 104

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

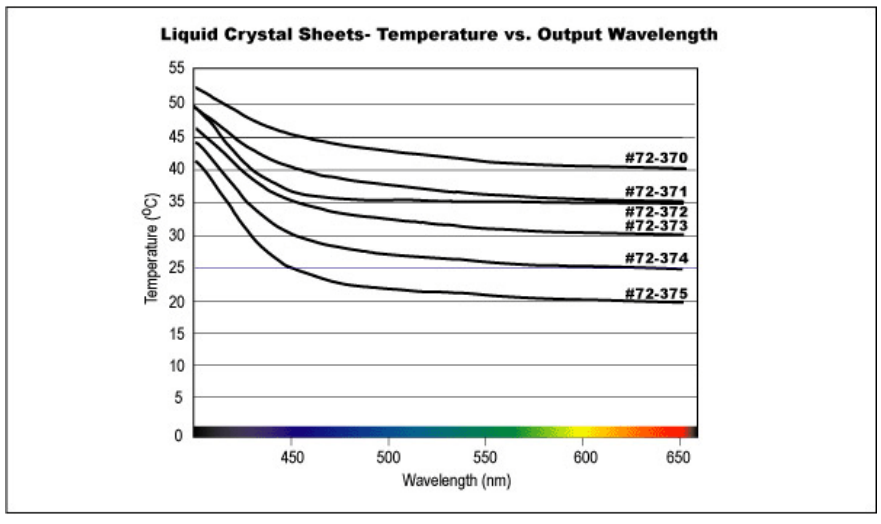
PRODUCT DETAILS

- Locate Electrical Shorts on Circuit Boards
- Determine Insulation Voids
- Map Heat Sinks
- Easily Cut to Size

Temperature Sensitive Liquid Crystal Sheets are a durable solution for thermal mapping. Three to five micron-sized crystals dispersed within a polymer matrix exhibit total color spectrum response with temperature change. These Liquid Crystal (LC) sheets will retain their fast response and color characteristics for many months. Temperature Sensitive Liquid Crystal Sheets are durable and will not rupture unless subjected to abnormal pressure. The 12" x 12" sheets can easily be cut to size using scissors. These sheets are excellent for a broad range of testing applications, such as visual testing and evaluation. Only minimal experimentation is required to conduct tests and be able to interpret the results.

The Liquid Crystal Sheet Assortment Set (**#61-161**) includes six 6" x 12" x 0.007" LC sheets, one in each of the temperature ranges listed below. This sampler package is ideal for situations where the temperatures reached are not precisely known or fluctuate over broad ranges.

TECHNICAL INFORMATION



Specifications for Sheets Included with #61-161					
Sheet Label	**Red Start °C**	**Green Start (°C)**	**Blue Start (°C)**	**Clearing Point, Blue to Black (°C)**	**Bandwidth (Blue Start minus Red Start) (°C)**
R20C5W	20	21	25	41	5
R25C5W	25	26	30	44	5
R30C5W	30	31	35	46	5
R35C1W	35	35.2	36	49	1
R35C5W	35	36	40	49	5
R40C5W	40	41	45	52	5