

## 25 - 30° C Temp Range, Liquid Crystal Sheet



Temperature Sensitive Liquid Crystal Sheets



Stock #72-374 **20+ In Stock**

⊖ 1 ⊕ €45<sup>00</sup>

**ADD TO CART**

### Volume Pricing

|            |                               |
|------------|-------------------------------|
| Qty 1-4    | €45,00 each                   |
| Qty 5-9    | €40,50 each                   |
| Need More? | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### Physical & Mechanical Properties

Width (inches):  
12.00

Thickness (inches):  
0.007

Length (inches):  
12.00

## Environmental & Durability Factors

+25 to +30      **Operating Temperature (°C):**

77 - 86      **Operating Temperature (°F):**

## 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   |