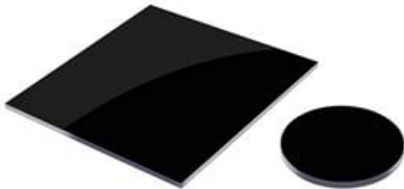


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# Optical Cast Infrared (IR) Longpass Filters

- Lightweight Plastic
- Excellent Thermal and Chemical Resistance



## Common Specifications

### Physical & Mechanical Properties

|                 |              |                             |      |
|-----------------|--------------|-----------------------------|------|
| Thickness (mm): | 1.50 Nominal | Dimensional Tolerance (mm): | ±0.3 |
|-----------------|--------------|-----------------------------|------|

### Optical Properties

|                   |                        |                                        |              |
|-------------------|------------------------|----------------------------------------|--------------|
| Substrate:        | Thermoset ADC (CR-39®) | Coating:                               | Uncoated     |
| Color:            | Black                  | Index of Refraction (n <sub>d</sub> ): | 1.501 @ 20°C |
| Transmission (%): | >90 (typical)          | Abbe Number (v <sub>d</sub> ):         | 57.00        |

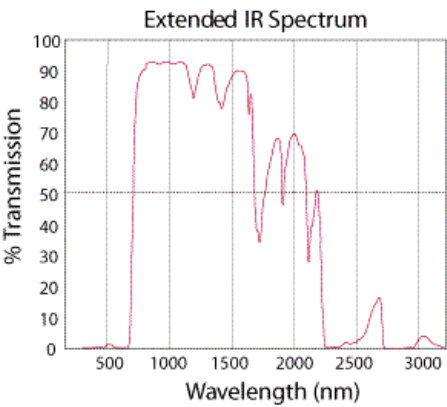
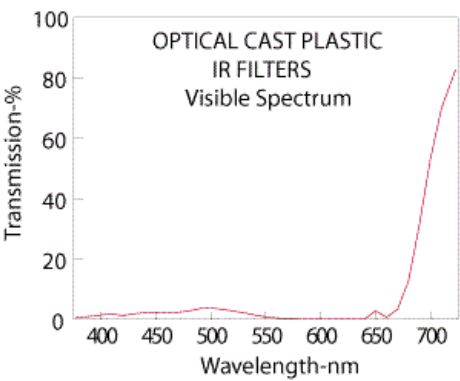
### Material Properties

|                               |               |
|-------------------------------|---------------|
| Density (g/cm <sup>3</sup> ): | 1.320 at 20°C |
|-------------------------------|---------------|

### Environmental & Durability Factors

|                             |                                  |
|-----------------------------|----------------------------------|
| Operating Temperature (°C): | 100 Continuous, 130 One Hour Max |
|-----------------------------|----------------------------------|

# Technical Information



## Products

| Dimensions<br>(mm) | Dimensions<br>(inches) | Dia.<br>(mm) | Dia.<br>(inches) | Thickness<br>(mm) | Stock<br>Number         | Price                                     | Buy          |
|--------------------|------------------------|--------------|------------------|-------------------|-------------------------|-------------------------------------------|--------------|
| -                  | -                      | 5.00         | 0.20             | 1.50              | <a href="#">#12-762</a> | ₹856<br><a href="#">Volume Pricing</a>    | 20+ In Stock |
| -                  | -                      | 10.00        | 0.39             | 1.50              | <a href="#">#12-763</a> | ₹856<br><a href="#">Volume Pricing</a>    | 20+ In Stock |
| -                  | -                      | 12.50        | 0.49             | 1.50              | <a href="#">#12-764</a> | ₹1,246<br><a href="#">Volume Pricing</a>  | 20+ In Stock |
| -                  | -                      | 20.00        | 0.79             | 1.50              | <a href="#">#12-765</a> | ₹1,401<br><a href="#">Volume Pricing</a>  | 20+ In Stock |
| -                  | -                      | 25.00        | 0.98             | 1.50              | <a href="#">#12-766</a> | ₹1,479<br><a href="#">Volume Pricing</a>  | 20+ In Stock |
| -                  | -                      | 25.40        | 1.00             | 1.50              | <a href="#">#43-948</a> | ₹1,479<br><a href="#">Volume Pricing</a>  | Contact Us   |
| 25.4 x 25.4        | 1 x 1                  | -            | -                | 1.50              | <a href="#">#43-952</a> | ₹1,479<br><a href="#">Volume Pricing</a>  | 20+ In Stock |
| -                  | -                      | 50.00        | 1.97             | 1.50              | <a href="#">#12-767</a> | ₹1,635<br><a href="#">Volume Pricing</a>  | 10 In Stock  |
| -                  | -                      | 50.80        | 2.00             | 1.50              | <a href="#">#43-949</a> | ₹1,635<br><a href="#">Volume Pricing</a>  | 20+ In Stock |
| 50.8 x 50.8        | 2 x 2                  | -            | -                | 1.50              | <a href="#">#43-953</a> | ₹1,635<br><a href="#">Volume Pricing</a>  | 16 In Stock  |
| -                  | -                      | 76.20        | 3.00             | 1.50              | <a href="#">#43-950</a> | ₹2,569<br><a href="#">Volume Pricing</a>  | 20+ In Stock |
| 101.6 x 127.0      | 4 x 5                  | -            | -                | 1.50              | <a href="#">#43-954</a> | ₹3,425<br><a href="#">Volume Pricing</a>  | 20+ In Stock |
| -                  | -                      | 139.70       | 5.5              | 1.50              | <a href="#">#43-951</a> | ₹6,384<br><a href="#">Volume Pricing</a>  | 20+ In Stock |
| 127.0 x 177.8      | 5 x 7                  | -            | -                | 1.50              | <a href="#">#46-620</a> | ₹6,384<br><a href="#">Volume Pricing</a>  | 20+ In Stock |
| 203.2 x 254.0      | 8 x 10                 | -            | -                | 1.50              | <a href="#">#46-621</a> | ₹11,911<br><a href="#">Volume Pricing</a> | 20+ In Stock |



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