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20 x 30cm Sheet of Optopolymer® Optical PTFE, 0.5mm Thick, Adhesive Film

Front

Stock **#22-986** **11 In Stock**

- 1 + **C$246**.40

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Volume Pricing	
Qty 1-10	**C$246.40** each
Qty 11+	**C$221.76** each
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Product Downloads

General

Type:

Standard Adhesive

Dimensions (cm):

20 x 30

Physical & Mechanical Properties

Dimensions (mm):

200 x 300

Thickness (mm):

0.50

Optical Properties

Wavelength Range (µm):

0.25 - 2.5

Environmental & Durability Factors

Operating Temperature (°C):

-200 to +260

Regulatory Compliance

Certificate of Conformance:

View

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

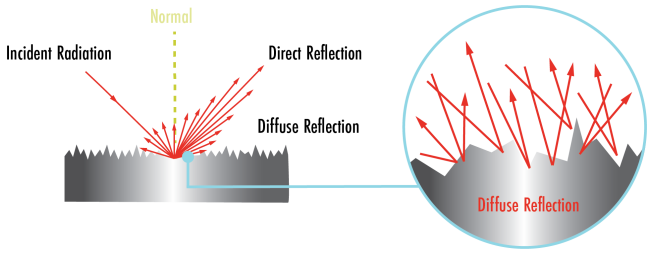
Learn more about our custom manufacturing capabilities or submit an inquiry here.

Product Details

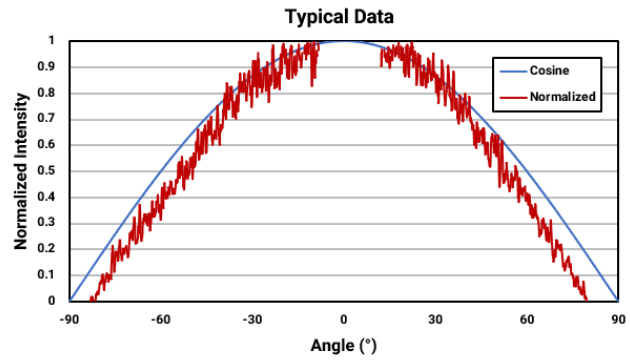
- Optical PTFE Material with Lambertian Reflection
- High Reflectance from 250 - 2500nm
- High UV Stability and Chemical Resistance

Optopolymer® Diffuse Reflecting Film consists of optical polytetrafluoroethylene (PTFE) which achieves virtually ideal Lambertian reflectance properties and high reflectance from 250 to 2500nm. The thickness of the polymer layer influences both the flexibility and reflectance of the film with the 1.0mm film providing the best flexibility to reflectance ratio. A 0.5mm thickness provides the best flexibility with a small decrease in reflectance, and a 2.0mm thickness provides the highest reflectance with increased rigidity. Regardless of the thickness, the film can be easily cut to size using scissors and with the adhesive backing and can be tailored to fit any application. Optopolymer® Diffuse Reflecting Film feature high UV stability and universal chemical resistance to minimize discoloration that would result in reflection loss. These reflecting films are ideal for calibration and contrast measurements, projection applications, lining UV sterilizers and photobioreactors, and as reflective diffusers.

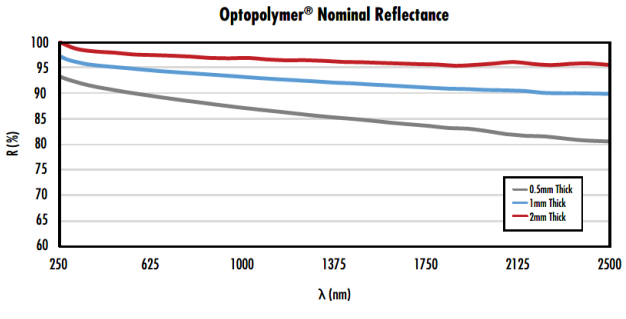
Technical Information



Reflectance Profile of Optopolymer®
Typical Data



Typical, normalized reflectance profile of Optopoltmer®, showing near Lambertian properties. The gap in data is due to the detector crossing the path of the incident beam.



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