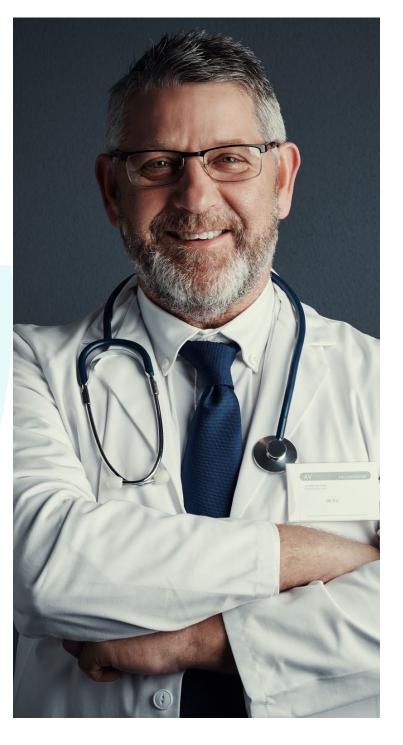
# **ACRYLIC LASER WINDOW**

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Phillips Safety is the industry leader in occupational safety eyewear. In business for over 100 years, you are being served with the dedication and craftsmanship of a family owned company.

Phillips Safety has been producing occupational safety glasses since 1905 and continues to develop and produce the highest quality glasses and lenses today. A leading manufacturer of specialty safety eyewear in the United States, Phillips Safety adheres to strict ANSI Z87-2+ and EN 207 CE standard certifications, holding itself to a highest standard and prides itself on producing glasses with the finest quality materials available.

All safety glasses produced and sold by Phillips Safety meet strict industry standards for military, medical, research laboratories, and a variety of other industries.

With Phillips Safety's dedicated team, you can rest assured knowing that all your prescription safety needs are met. Laser safety windows are specialized barriers designed to protect against the hazards of laser radiation. These windows are constructed using carefully selected materials for their ability to absorb or reflect specific laser wavelengths. By installing laser safety windows, workplaces and facilities can create controlled laser environments, where laser beams are confined and the risk of laser-related injuries or accidents is significantly reduced.

At Phillips Safety we offer a diverse selection of premium laser safety windows to meet the needs of our customers. Our comprehensive collection comprises laser window films, glass laser windows, and acrylic laser windows, each of them with options for a variety of laser filters and applications.



#### CATEGORY INFORMATION ACRYLIC LASER WINDOW



Our acrylic laser windows are known for their strength, durability, and resilience, as they can withstand impacts up to ten times greater than glass. They also exhibit superior weather resistance and a wide temperature range. Phillips Safety's acrylic laser windows meet ANSI Z136 standards for laser use, ensuring their exceptional quality. They are available in a range of colors with visible light transmissions ranging from 2% to 90%.

Laser safety windows ensure the safe operation of laser systems by preventing the transmission of harmful laser radiation while allowing visible light to pass through. They are essential for industries such as research, manufacturing, healthcare, and defense, where lasers are extensively used, providing a crucial layer of protection for personnel and equipment.

# PHILLIPS SAFETY ACRYLIC WINDOW



PRODUCT NAME 690 IR LASER PROTECTIVE ACRYLIC SHEET, GREEN

PART NUMBER ALS-690

# **PRODUCT SPECIFICATION**

#### **PROTECTION SPECIFICATIONS**

OD 6+ @180 - 420 nm OD 3+ @670 - 680 nm OD 4+ @680 - 1080 nm OD 6+ @694 - 1065 nm OD 3+ @2750 - 3000 nm **PRODUCT TYPE** LASER PROTECTIVE SHEETING

MATERIAL ACRYLIC

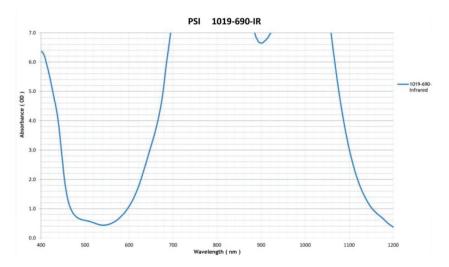
SAFETY RATING ANSI Z136.1

VISIBLE LIGHT TRANSMISSION 22%

THICKNESS 0.150"

COLOR GREEN

### WAVELENGTH CHART



This is to certify that our product listed above meets all Safety Requirements and is manufactured to the tolerances required by law. This filter has been tested and conforms to ANSI Z136.1 standards for Laser protection. They are manufactured by Phillips Safety Products, Inc. in the City of Middlesex, County of Middlesex, and State of New Jersey in the United States of America. All components and final assemblies are included and originate from our location at 123 Lincoln Boulevard, Middlesex, NJ 08846.

Any questions from interested parties can be directed to the undersigned below.





PRODUCT NAME 830 LASER PROTECTIVE ACRYLIC SHEET, DARK GREEN

PART NUMBER ALS-DYAG

# **PRODUCT SPECIFICATION**

#### **PROTECTION SPECIFICATIONS**

OD 5+ @190-399nm OD 2+ @400-480nm OD 2+ @750-1900nm OD 3+ @800-1800nm OD 5+ @830-1700nm OD 6+ @1064nm OD 5+ @10,600nm PRODUCT TYPE LASER PROTECTIVE SHEETING

MATERIAL ACRYLIC

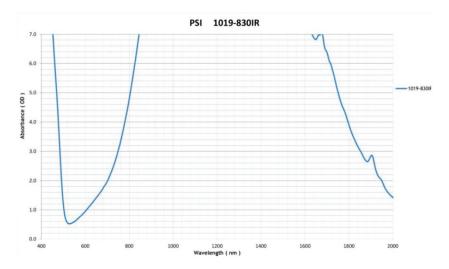
SAFETY RATING ANSI Z136.1

VISIBLE LIGHT TRANSMISSION 25%

THICKNESS 0.150"

COLOR DARK GREEN

# WAVELENGTH CHART



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**PRODUCT NAME** ALEXANDRITE, DIODE, YAG LASER PROTECTIVE ACRYLIC SHEET, LIGHT GREEN

PART NUMBER ALS-ADY

# **PRODUCT SPECIFICATION**

#### **PROTECTION SPECIFICATIONS**

OD 5+ @190-375nm OD 5+ @760-1070nm OD 6+ @1064nm OD 5+ @10,600nm **PRODUCT TYPE** LASER PROTECTIVE SHEETING

MATERIAL ACRYLIC

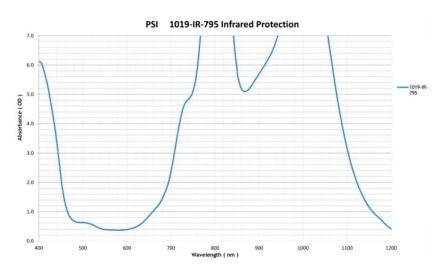
SAFETY RATING ANSI Z136.1

VISIBLE LIGHT TRANSMISSION 42%

THICKNESS 0.150"

COLOR LIGHT GREEN

### WAVELENGTH CHART



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PRODUCT NAME ALS 1100 LASER PROTECTIVE ACRYLIC SHEET, GREEN

PART NUMBER ALS-1100

# **PRODUCT SPECIFICATION**

#### **PROTECTION SPECIFICATIONS**

OD 5+ 1000nm - 1130nm OD 6+ 1060nm - 1100nm OD 5+ 10,600nm **PRODUCT TYPE** LASER PROTECTIVE SHEETING

MATERIAL ACRYLIC

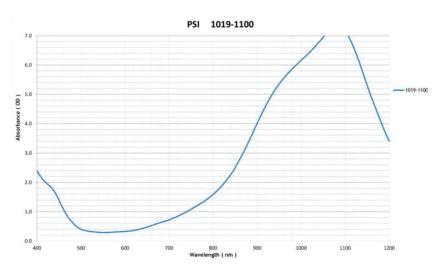
SAFETY RATING ANSI Z136.1

VISIBLE LIGHT TRANSMISSION 46%

THICKNESS 0.125", 0.250"

COLOR GREEN

# WAVELENGTH CHART



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PRODUCT NAME ALS 2000 MID-IR LASER PROTECTIVE ACRYLIC SHEET, LIGHT BLUE

PART NUMBER ALS-2000

# **PRODUCT SPECIFICATION**

#### **PROTECTION SPECIFICATIONS**

OD 4+ @1900 to 2700 nm OD 5+ @10,600 nm **PRODUCT TYPE** LASER PROTECTIVE SHEETING

MATERIAL ACRYLIC

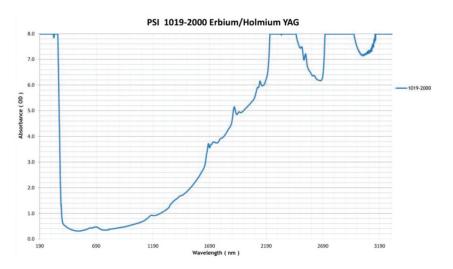
SAFETY RATING ANSI Z136.1

VISIBLE LIGHT TRANSMISSION 55%

THICKNESS 0.125"

COLOR LIGHT BLUE

### WAVELENGTH CHART



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**PRODUCT NAME** ALS-YAG NEAR IR LASER PROTECTIVE ACRYLIC SHEET, PALE GREEN

PART NUMBER ALS-YAG

# **PRODUCT SPECIFICATION**

#### **PROTECTION SPECIFICATIONS**

OD 5+ @190-375nm OD 5+ @900-1070nm OD 6+ @1064nm OD 5+ @10,600nm **PRODUCT TYPE** LASER PROTECTIVE SHEETING

MATERIAL ACRYLIC

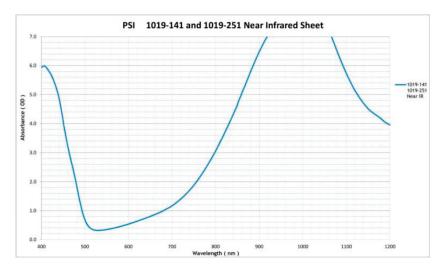
SAFETY RATING ANSI Z136.1

VISIBLE LIGHT TRANSMISSION 40%

THICKNESS 0.140", 0.250"

COLOR PALE GREEN

### WAVELENGTH CHART



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**PRODUCT NAME** ARGON, DIODE, ND-YAG, CO2 LASER PROTECTIVE ACRYLIC SHEET, AMBER

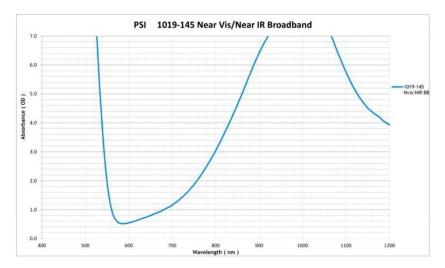
PART NUMBER ALS-YHAD

# **PRODUCT SPECIFICATION**

#### **PROTECTION SPECIFICATIONS**

OD 5+ @190-375nm OD 4+ @376-533nm OD 5+ @1064nm OD 4+ @900-1070nm OD 5+ @10,600nm PRODUCT TYPE LASER PROTECTIVE SHEETING MATERIAL ACRYLIC SAFETY RATING ANSI Z136.1 VISIBLE LIGHT TRANSMISSION 16.5% THICKNESS 0.140" COLOR RED

### WAVELENGTH CHART



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PRODUCT NAME BLUE IR LASER SAFETY WINDOW

PART NUMBER ALS-BLUEIR

### **PRODUCT SPECIFICATION**

#### **PROTECTION SPECIFICATIONS**

OD 5+ from 190-375nm OD 5+ from 860-3300nm OD 6+ from 900-2500nm OD 6+ from 2700-3300nm OD 7+ from 1060-2500nm OD 7+ from 2720-3300nm OD 5+ @ 10,600nm PRODUCT TYPE LASER PROTECTIVE SHEETING MATERIAL ACRYLIC

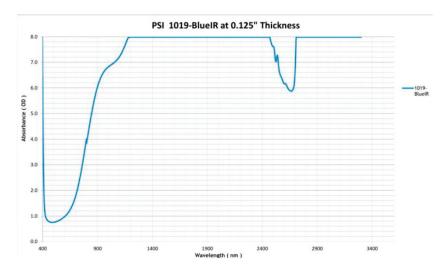
SAFETY RATING ANSI Z136.1

VISIBLE LIGHT TRANSMISSION 22%

THICKNESS 0.125"

COLOR BLUE

# WAVELENGTH CHART



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Any questions from interested parties can be directed to the undersigned below.



PRODUCT NAME DYE LASER PROTECTIVE ACRYLIC SHEET, VIOLET

PART NUMBER ALS-DYE

### **PRODUCT SPECIFICATION**

#### **PROTECTION SPECIFICATIONS**

OD 3+ @575-590nm OD 5+ @578-588nm OD 6+ @580-585nm OD 5+ @10600nm **PRODUCT TYPE** LASER PROTECTIVE SHEETING

MATERIAL ACRYLIC

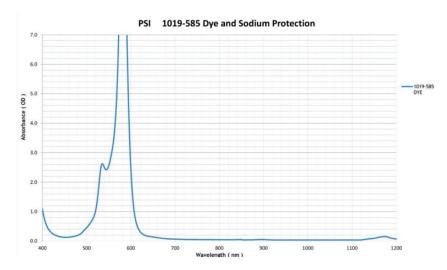
SAFETY RATING ANSI Z136.1

VISIBLE LIGHT TRANSMISSION 26%

THICKNESS 0.150"

COLOR VIOLET

# WAVELENGTH CHART



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# LASER WINDOWS & SHEETING LENS FILTER SPECIFICATIONS



#### **PROTECTION OPTION: FIBER LASER WELDING ACRYLIC SHADE 3**

PART NUMBER: ALS-1070-S3-0.125

# LENS SPECIFICATION

#### **PROTECTION SPECIFICATIONS**

OD 5+ @870-1200nm OD 6+ @1000-1120nm OD 7+ @1020-1100nm

Maximum Irradiance: 300W/cm<sup>2</sup>

LENS TYPE: LASER PROTECTIVE SHEETING

MATERIAL: ACRYLIC

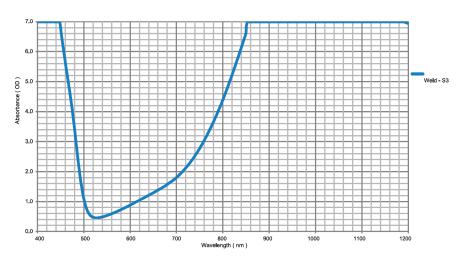
SAFETY RATING: ANSI Z136.1

VISIBLE LIGHT TRANSMISSION: 18%

COLOR: GREEN

**THICKNESS:** 0.125"

# WAVELENGTH CHART



This is to certify that our product listed above meets all Safety Requirements as specified by ANSI Z87.1 and is manufactured to the tolerances required by law. This filter has been tested and conforms to ANSI Z136.1 standards for Laser protection. They are manufactured by Phillips Sadert Products, Inc. in the City of Middlesex, County of Middlesex, and State of New Jersey in the United States of America. All components and final assemblies are included and originate from our location at 123 Lincoln Boulevard, Middlesex, NJ 08846.

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# LASER WINDOWS & SHEETING LENS FILTER SPECIFICATIONS



#### **PROTECTION OPTION: FIBER LASER WELDING ACRYLIC SHADE 5**

PART NUMBER: ALS-1070-S5-0.125

# LENS SPECIFICATION

#### **PROTECTION SPECIFICATIONS**

OD 5+ @870-2700nm OD 6+ @900-2600nm OD 7+ @1000-2500nm OD8+ @1150-2450nm

Maximum Irradiance: 300W/cm<sup>2</sup>

LENS TYPE: LASER PROTECTIVE SHEETING

MATERIAL: ACRYLIC

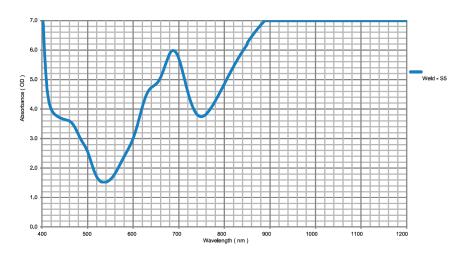
SAFETY RATING: ANSI Z136.1

VISIBLE LIGHT TRANSMISSION: 2%

COLOR: GREEN

**THICKNESS:** 0.125"

### **WAVELENGTH CHART**



This is to certify that our product listed above meets all Safety Requirements as specified by ANSI Z87.1 and is manufactured to the tolerances required by law. This filter has been tested and conforms to ANSI Z136.1 standards for Laser protection. They are manufactured by Phillips Sadert Products, Inc. in the City of Middlesex, County of Middlesex, and State of New Jersey in the United States of America. All components and final assemblies are included and originate from our location at 123 Lincoln Boulevard, Middlesex, NJ 08846.

Any questions from interested parties can be directed to the undersigned below.



PRODUCT NAME HENE LASER PROTECTIVE ACRYLIC SHEET, BLUE

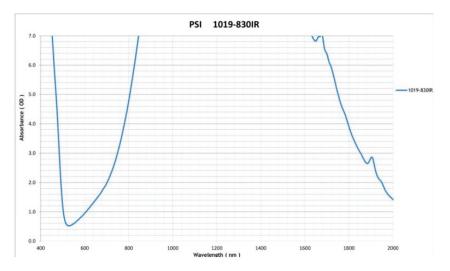
PART NUMBER ALS-HN

### **PRODUCT SPECIFICATION**

#### **PROTECTION SPECIFICATIONS**

OD 5+ @190-375 nm OD 2+ @575-720 nm OD 3+ @590-710 nm OD 4+ @600-700 nm OD 5+ @610-694 nm OD 6+ @647-694 nm OD 5+ @10,600 nm PRODUCT TYPE LASER PROTECTIVE SHEETING MATERIAL ACRYLIC SAFETY RATING ANSI Z136.1 VISIBLE LIGHT TRANSMISSION 18% THICKNESS 0.150" COLOR BLUE

# WAVELENGTH CHART



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Any questions from interested parties can be directed to the undersigned below.





PRODUCT NAME HT-YAG LASER PROTECTIVE ACRYLIC SHEET, PALE GREEN

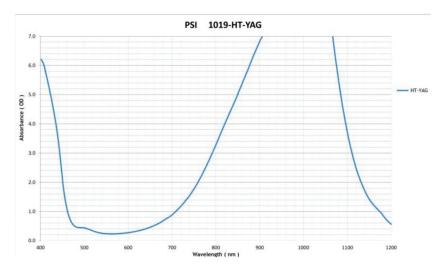
PART NUMBER ALS-HTYAG

# **PRODUCT SPECIFICATION**

#### **PROTECTION SPECIFICATIONS**

OD 5+ @190-400nm OD 3+ @800-1080nm OD 5+ @860-1064nm OD 6+ @1064nm OD 5+ @10600nm PRODUCT TYPE LASER PROTECTIVE SHEETING MATERIAL ACRYLIC SAFETY RATING ANSI Z136.1 VISIBLE LIGHT TRANSMISSION 65% THICKNESS 0.125", 0.250" COLOR PALE GREEN

### WAVELENGTH CHART



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PRODUCT NAME IR DIODE LASER PROTECTIVE ACRYLIC SHEET, ROSE

PART NUMBER ALS-AD

# **PRODUCT SPECIFICATION**

#### **PROTECTION SPECIFICATIONS**

OD 3 @720-870nm OD 5 @730-855nm OD 7 @750-840nm OD 5+ @10,600nm **PRODUCT TYPE** LASER PROTECTIVE SHEETING

MATERIAL ACRYLIC

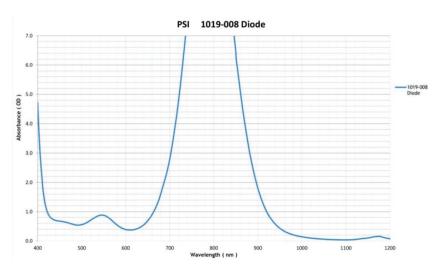
SAFETY RATING ANSI Z136.1

VISIBLE LIGHT TRANSMISSION 25%

THICKNESS 0.150"

COLOR ROSE

# WAVELENGTH CHART



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**PRODUCT NAME** NEAR VIS LASER PROTECTIVE ACRYLIC SHEET, ORANGE

PART NUMBER ALS-AKP

### **PRODUCT SPECIFICATION**

#### **PROTECTION SPECIFICATIONS**

OD 5+ @190-532nm OD 5+ @10,600nm **PRODUCT TYPE** LASER PROTECTIVE SHEETING

MATERIAL ACRYLIC

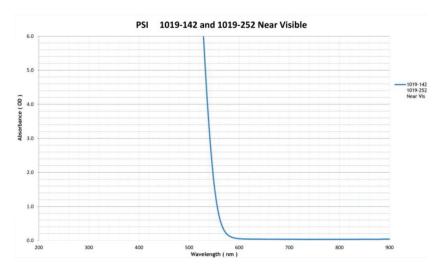
SAFETY RATING ANSI Z136.1

VISIBLE LIGHT TRANSMISSION 41%

THICKNESS 0.140", 0.250"

COLOR ORANGE

# WAVELENGTH CHART



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PRODUCT NAME RUBY LASER PROTECTIVE ACRYLIC SHEET, LIGHT BLUE

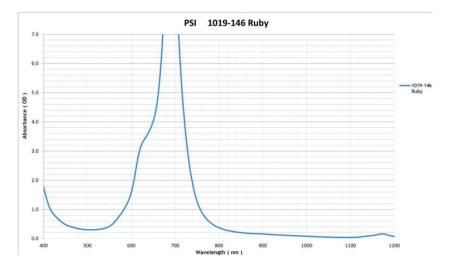
PART NUMBER ALS-RBY

# **PRODUCT SPECIFICATION**

#### **PROTECTION SPECIFICATIONS**

OD 5+ @190-375nm OD 2+ @630-730nm OD 3+ @650-720nm OD 5+ @670-710nm OD 6+ @694nm OD 5+ @10600nm PRODUCT TYPE LASER PROTECTIVE SHEETING MATERIAL ACRYLIC SAFETY RATING ANSI Z136.1 VISIBLE LIGHT TRANSMISSION 45% THICKNESS 0.140" COLOR LIGHT BLUE

# WAVELENGTH CHART



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Any questions from interested parties can be directed to the undersigned below.





PRODUCT NAME UV/EXCIMER LASER PROTECTIVE ACRYLIC SHEET, CLEAR

PART NUMBER ALS-CD2

# **PRODUCT SPECIFICATION**

#### **PROTECTION SPECIFICATIONS**

OD 5 @190-375nm OD 5+ @10,600nm PRODUCT TYPE LASER PROTECTIVE SHEETING

MATERIAL ACRYLIC

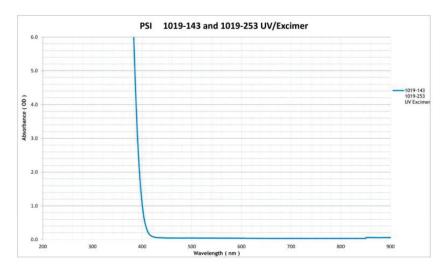
SAFETY RATING ANSI Z136.1

VISIBLE LIGHT TRANSMISSION 90%

THICKNESS 0.140", 0.250"

COLOR CLEAR

### WAVELENGTH CHART



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Any questions from interested parties can be directed to the undersigned below.





PRODUCT NAME UV/EXCIMER LASER PROTECTIVE ACRYLIC SHEET, YELLOW

PART NUMBER ALS-CD2-Y

# **PRODUCT SPECIFICATION**

#### **PROTECTION SPECIFICATIONS**

OD 6+ from 190-380nm OD5+ from 381-450nm OD 5+ @ 10,600nm **PRODUCT TYPE** LASER PROTECTIVE SHEETING

MATERIAL ACRYLIC

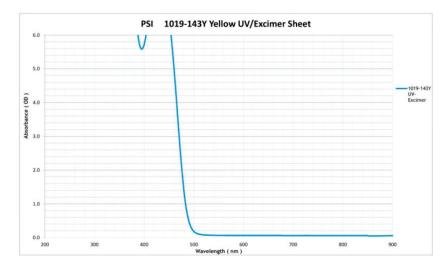
SAFETY RATING ANSI Z136.1

VISIBLE LIGHT TRANSMISSION 84%

THICKNESS 0.140"

COLOR YELLOW

### WAVELENGTH CHART



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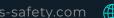
# CONTACT

Should you need any further information,

 $\mathcal{Q}$ 123 Lincoln Blvd, Middlesex, NJ 08846, USA



service@phillips-safety.com  $\left|\times\right|$ 



www.phillips-safety.com 🌐



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