

F5P02

Triple Layer Laser Safety Curtain

Features

The F5P02 barrier curtains are custom designed to fit your laser area. Standard options include grommets, heavy-duty dual lock, and or hook and loop fastener tape.

- Three-layered curtain design for increased laser protection
- Charcoal black color outer layer fiberglass-based fabric with rubberized silicone coating
- Silica woven inner layer
- Provides excellent thermal resistance
- Abrasion, puncture, and tear resistant
- Repels water and oil

Available Products

- Standard / Custom Framed Barriers
- Window Covers, Optical Tables, and Small Enclosures



Material Specifications	
Part #	F5P02
Image	
Layers	Triple-layer
Color	Charcoal Black
Maximum Irradiance Level*	2,150 W/cm ² 100 seconds
Weight	8.5 oz./ft ² ± 10%
Thickness	0.076 in ± 10%

*Tested at 1064nm with 1mm beam diameter

Outer Layer Specifications	
Tensile Strength Method - FTMS 191A/M5102	Warp: 250 lbs/in min. avg. Fill: 200 lbs/in min. avg.
Tear Strength Method - FTMS 191A/M5136	Warp: 50 lbs/in min. avg. Fill: 25 lbs/in min. avg.
Flame Resistance Method - FTMS 191A/M59031	Flame Out: 1 second After Glow: 2.5 seconds Char Length: 0.3 in max. avg.
Burst Strength Method - FTMS 191A/M5122	250lbs/in ² min. avg. per FTMS 191A/M5122
Hydrostatic Resistance Method - FTMS 191A/M5512	200 lbs/in ² min. avg.
Inner Layer Specifications	
Base Cloth Temperature Resistance	1000° F
Base Fabric Content	100% Fiberglass yarns
Base Fabric Weave	Plain
Military Specifications	MIL-C-20079H TYPE I CLASS10

Optional Layers	
Electrostatic Discharge Standard Layer	
ESD Properties	
ESD Test method	ASTM D-257
Surface Resistivity	106-107Ω/sq.m
Electrostatic Voltage Time	50V
Electrostatic Decay	0.5sec
Electrostatic Discharge Premium Layer	
ESD Properties	
Test Method	DIN EN1149 -1
Base Fabric Weave	4,11E+07 (4,11 *107 Ω)
Cleanroom Properties	
Outgassing Test Method	SHS-GC/MS
Total Organics	0.114ppm
Antibacterial Properties	
Test Method	JISZ 2801:2010
Anti-Bacterial Finish	>99.99% tightness against Staphylococcus aureus ACT 6538 P

Authorized Laservision Signature

Date