

Fused Silica:

Precision Glass & Optics is pleased to offer the following optically polished Fused Silica substrates available for immediate delivery. These polished substrates are excellent for thin film coatings or other optical applications that may require immediate delivery. The substrates are 6.5" square and come in thicknesses ranging from .020" to .230" thick.

PG&O also offers a variety of shaping services such as Scribing, Edging to diameter, CNC machining and other services that may be required.

For technical data on this material please see our materials section at pgo.com for Fused Silica

OPTICAL FUSED SILICA:

| Part Number | Size | Thickness | Thickness Tolerance | SurfaceQuality |
|-------------|-------------|-----------|---------------------|----------------|
| OFS 020 | 6.5" x 6.5" | .020" | ±.005" | 60/40 |
| OFS 040 | 6.5" x 6.5" | .040" | ±.005" | 60/40 |
| OFS 080 | 6.5" x 6.5" | .080" | ±.005" | 60/40 |
| OFS 120 | 6.5" x 6.5" | .120" | ±.005" | 60/40 |
| OFS 230 | 6.5" x 6.5" | .230" | ±.005" | 60/40 |

Homogeneity for Optical Fused Silica = 5×10^{-6} • Transmission at 10mm thick $\geq 80\%$ @ 185nm

OPTICAL FUSED QUARTZ:

| Part Number | Size | Thickness | Thickness Tolerance | SurfaceQuality |
|-------------|-------------|-----------|---------------------|----------------|
| OFQ 020 | 6.5" x 6.5" | .020" | ±.005" | 80/50 |
| OFQ 040 | 6.5" x 6.5" | .040" | ±.005" | 80/50 |
| OFQ 080 | 6.5" x 6.5" | .080" | ±.005" | 80/50 |
| OFQ 120 | 6.5" x 6.5" | .120" | ±.005" | 80/50 |
| OFQ 230 | 6.5" x 6.5" | .230" | ±.005" | 80/50 |

Transmission at 10mm thick $\geq 90\%$ from 220nm – 2000nm

Delivery dependent on stock availability at the time of order.