



**Optic
Clear
Solutions**

**Ruggedized
Optically Clear
Material**

Catalog Listing
91578GU-12130125-
CFUVXX

Drawn by: RPH

Revision: NC **Date:** 26Oct21

Scale: None

Tolerances: See Figure

Approval:

Sheet 1 of 1

Optic Clear Solutions LLC

Notes: Unless Otherwise Specified.

1. Material: UV stabilized, uncolored, polymethylmethacrylate sheet per ASTM-D4802, Category 1A, preshrunk and annealed per MIL-P-5425. Molecular Cross Linked 2%.
2. Standard Finish: When specified, material is finished with specular or non-specular surfaces.
3. Optional Finish: A/R or hard coating available for improved glare management and surface durability.
4. Available cross section: .020 inches to .500 inches.
5. Available sheet sizes: Up to 24 inches by 48 inches.
6. Sheets are provided with protective masking.
7. Optical Specifications:
 - Index of Refraction: 1.48 – 1.50
 - Photopic Transmittance: 91% @ 2854K
 - UV Transmission: 200nm – 400nm 5% max
 - Haze: 3 % max
 - Specular surface, scratch and dig: 60 – 40 max
 - Non-specular gloss when specified: 85 +/- 10 GU
 - Inclusions: 0%
8. Surface Specifications, less hard coating Option:
 - Fluid Contamination Resistance: Meets MIL-STD-810G, Method 504, Procedure II.
 - Scratch Resistance: Exceeds MIL-PRF-7788H
 - Scuff Resistance: Exceeds 10,000 cycles using .250” diameter CS-8 Weraser implement at 1Kg load, 60 cpm.