



**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 Wearaser implement at 1Kg load, 60 cpm.