

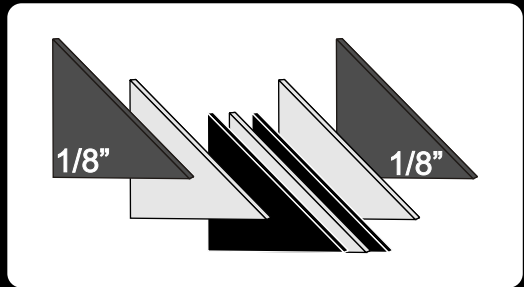
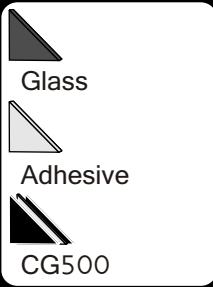
# ALLIED PROTECTIVE GLAZING LLC

A Member of the LTI Group

www.APGlazing.com

## CONTAINMENT GRADE SYMMETRICAL LAMINATE

## PRODUCT DETAILS\*



PART NUMBER	SMARTGARD-GCPHG1316
SPALL TYPE	LOW-SPALL
WEIGHT	6.40 Lb/SqFt
THICKNESS	0.872 in
MAX SIZE	60 X 96 in
SMARTGLASS OPTION AVAIL	YES

\*Represents typical properties, not intended for specification

## TESTING PROTOCOLS

STANDARD USED	RESULT
HPW -T.P 0500.03 Level II Forced Entry	PASSED
HPW -T.P 0500.03 Ballistics .38 SPCL x3 Shots & 9mm x3 shots	PASSED / NO PENETRATION / LOW-SPALL
WMFL Level III - 30 Minute Physical Attack	PASSED
ASTM F1233 Class III	STEP 15
ASTM F1915-03	GRADE 2

## DESCRIPTION

A symmetrical composite of two 1/8" clear or tinted glass outer lites, clear adhesive interlayer's, and a high quality MAKROLON® HYGARD CG500 laminated polycarbonate core. All LTI security products are custom manufactured to be utilized in secure environments where consistent quality and optimum optical clarity are priorities.

MAKROLON® HYGARD CG500 sheet is a three ply laminated polycarbonate constructed with two 1/8" and one 1/4" layers of MAKROLON® polycarbonate sheet bonded by an adhesive interlayer. MAKROLON® HYGARD CG500 sheet satisfies the requirements of ASTM F1915-Grade 2.

Available glass options: float, annealed, heat strengthened, tempered, low E, reflective, and wire. If you have a need for modification or customization to this composite please contact us at (413) 637-5001. Please note that modifications utilizing some types of glass or increasing the gauge of the glass will increase the overall thickness and weight of this product.

## STANDARDS

- ASTM C 1036-91 for float glass
- ASTM C 1349 for laminate quality
- ASTM C1048 - Standard Specification for Heat-Treated Flat Glass Kind HS, Kind FT Coated and Uncoated Glass.
- ANSI Z97.1, CPSC 16 CFR 1201 Cat I & 2 for Impact

## GLAZING INFORMATION

The LTI Group strongly suggests the use of a suitable structural security framing with an appropriate protection rating.

A minimum framing engagement of one (1) inch is recommended, (Larger lites may require deeper engagements.)

It is imperative to the life and durability of certain composite types that compatible sealant or gasket material is used on both sides of the laminate. An appropriate sealant solution can be specified by LTI if required.

The LTI Group produces the finest glass and composite laminates in the world, proper care during installation will ensure years of superior performance.

Allied Protective Glazing LLC and/or Sheffield Plastics Inc. will not be responsible for the use of this information relative to actual application. Users must make their own determination of its suitability for their specific application. No warranty is made for the fitness of any product, and nothing herein waives any of the seller's conditions of sale.



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