

**Always Reliable, Always Clear**  
**And NOW SILKY SMOOTH**

- High UV transmission
- Exceptional hiding power
- Excellent resistance to perspiration, dirt and bacteria
- Superior clean ability

Simply the best tanning bed shield material available!

Call your tanning distributor and ask for Solacryl by name.



**POLYCAST**<sup>®</sup>  
GELL CAST ACRYLIC

**SEE and FEEL the Beauty of Solacryl Silk**<sup>™</sup>

## 10,000 HOUR LIMITED WARRANTY

Polycast warrants that our SOLACRYL® SUVT acrylic sheet will transmit a minimum of 70 percent of available ultraviolet light measured at 340 nanometers for 10,000 hours under following conditions:

- Lamps used must be 85 to 100 watts maximum and have peak emission between 340 and 350 nanometers. (Examples: Sunlite F72-ST350-SM-85-100W and Instantan F72T12-ST350-HO)
- The minimum distance between the acrylic and the bulb is 7/8".
- The temperature between the acrylic and the bulb must not exceed 50°C.
- Sheet thickness must not be more than 3/16".

Light transmission value at 340 nanometers will be determined by standard spectrophotometric techniques on a thoroughly cleaned sample.

This warranty does not cover loss of ultraviolet light transmission caused by yellowing, crazing, scratches, dirt, breakage, or other damage. Furthermore, this warranty does not cover damage to the sheet as a result of stains caused by the use of inappropriate chemicals, including oils, lotions, creams, cosmetics, cleaners, and disinfectants. A list of appropriate cleaners and disinfectants may be obtained from your local SOLACRYL SUVT sheet distributor, or directly from Polycast, 70 Carlisle Place, Stamford, CT 06902; (800) 243-9002.

THE FOREGOING IS OUR SOLE WARRANTY FOR SOLACRYL® SUVT ACRYLIC SHEET. WE HEREBY DISCLAIM ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATIONS, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

*The warranty covers only the light transmission of SOLACRYL SUVT acrylic sheet under the conditions set forth above. Furthermore, there is no warranty or liability for crazing of the sheet. Polycast assumes no responsibility for the use of the SOLACRYL SUVT sheet, nor for the health and safety of any person who comes in contact with this product. Since the application and conditions of use are beyond Polycast's control, the user is solely responsible to determine the suitability of the product for the user's specific application.*

THE SOLE LIABILITY OF Polycast IN THE EVENT OF ANY BREACH OF THE FOREGOING WARRANTY WILL BE TO REPLACE ANY SOLACRYL SUVT SHEET. Polycast reserves the right either to replace the sheet or to provide a refund at current prices. In addition, Polycast assumes no responsibility for any costs incurred in removing defective sheet or installing a replacement, nor for any damage to persons or to property, nor for any indirect, incidental, or consequential damages.

Any person making a claim in connection with this warranty should contact Polycast, 70 Carlisle Place, Stamford, CT 06902, or the nearest SOLACRYL SUVT acrylic sheet distributor. A Polycast representative will contact you to arrange for inspection of the sheet. At the time of inspection, we will need evidence that shows the purchase date of the sheet and when it went into service.

Some states do not permit the exclusion or limitation of incidental and consequential damages. The foregoing warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



## TYPICAL PHYSICAL PROPERTIES OF SOLACRYL<sup>TM</sup> Silk ACRYLIC SHEET

Property(1)	Value	Test Method
Modulus of Elasticity, psi	400,000	ASTM D638
Tensile Strength (Rupture), psi	8600	ASTM D638
Elongation Rupture, %	6-8	ASTM D638
Specific Gravity	1.19	ASTM D792
Residual Shrinkage, %	2.2	ASTM D4802
Refractive Index	1.49	ASTM D542
Total Luminous Transmittance (as-cast), %	88	ASTM D1003
Hot Forming Temperature, °F	290-330	ASTM D648
Heat Distortion Temperature, °F	264	
Maximum Continuous Service Temperature, °F	140-170	
Coefficient of Linear Thermal Expansion, in/in/°F	0.000042	
Flammability, in/min	1.1-1.3	ASTM D635
UL Flame Class	94 HB	UL
Self-Ignition Temperature, °F	800-860	ASTM D1929
Plastic Component	Listed	UL 746C

(1) Tests conducted on material 0.187 in. thick (average value).

NOTE: These data are typical sheet properties and are not intended for specification purposes. They are the latest at the time of publication and are authentic to the best knowledge of the company. The properties are listed solely to give general guidance and are not to be construed as a warranty of any type. Please contact Polycast for specific data to meet your design criteria.



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"Setting the Standards in Plastics Distribution"<sup>TM</sup>

ISO 9001:2008 and ISO 13485:2003 Certified

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