

BETTER PART COSMETICS IN LESS TIME

Lightweight LamLight cures fast and stays cool for better hatch and small part cosmetics and reduced labor costs



4901 LamLight Fast Cure Compound is formulated with premium polyester resins and advanced fillers. It can be used as the primary laminating resin in two part compression applications for producing small parts. The controlled exotherm and fast curing results in rapid part turnover and premium cosmetic finishes which are superior to parts made with other materials and processes.

Performance Benefits

- Formulated with premium resins
- Controlled exotherm and shrinkage
- Low Styrene content
- Very low air entrapment
- Excellent durability
- Can be poured, infused, or sprayed

4901 In Squish Mold Applications



WET OUT FEMALE HALF
Using 1.5% clear or disappearing red MEKP



APPLY 60% OF LAMLIGHT
over one or two continuous strand glass mats.



ADD CORE & GLASS
press core, add more glass and remainder of 4901

ProTips & Other Resources at ArjayTech.com

- ProTip: Tips for Squish Molds (PDF)
- ProTip: Troubleshooting 2-Part Molds (PDF)
- 4701 TDS (PDF) Available for download any time on our website

TECHNICAL DATA SHEET

4901 LAMLIGHT FAST CURE

POLYESTER BONDING COMPOUND

RECOMMENDED FOR

Compression Molding	Small FRP Parts
Rapid Mold Turnover	Casting Complex Geometries

WORKING & TIMES (In Minutes)

Gel Time	Interval	Total	Peak Exo
30-42	15-25	49-67	240-310° F

TYPICAL PHYSICAL PROPERTIES @77°F (24°C)

Color	White
Odor	Styrene
Texture	Smooth
Weight	7.0-7.4 lbs/gallon
Stability	4-6 months

VISCOSITY

RPM	μ Min	μ Max
2	2,100	4,800

TYPICAL CURED PROPERTIES @77°F (24°C)

Test	Average Range
Tensile Elongation, %	1.00-3.00
Tensile Strength, PSI	1,480 - 1,640
Compressive Strength, PSI	2,950 - 3,250
Lap Shear, PSI	1,200 - 1,420 K
Heat Deflection, °F	145-165
Linear Shrinkage, %	< 1
Shore D Hardness	65-80

PACKAGING & AVAILABILITY



Pails
5 Gal./19 L
ITEM# 6011



Drums
55 Gal./ 189 L
ITEM# 6011HV

Storage & Handling

STORAGE

To ensure maximum stability and maintain optimum properties, bonding compounds should be stored in the original closed container at temperatures below 24 C/75 F and away from heat ignition sources and sunlight. The product must be warmed up to 18 C/ 65 F prior to use so that timely curing and optimum processing can be maintained.

All storage space and containers should conform to local fire and building codes. The bonding compounds should be stored separately and away from oxidizing materials, peroxides and metal salts. Keep containers closed when not in use. Employ best practices of using first-in, first-out stock rotation.

SHELF LIFE

Shelf life is 3 months from date of shipment. Minimum shelf life performance implies the life of the product in the original, unopened container. For additional information on storage and handling, please contact your sales representative or authorized distributor.

STANDARD PACKAGING

Standard product packages include 55-gallon metal drums and 5 gallon plastic pails.

SAFETY

Read and understand the material safety data sheet before working with the product. Obtain a copy of the material safety data sheet on this product from the Arjay website, or contact your sales representative or authorized distributors.

The bonding compounds contain volatile components that are highly flammable and should be handled with care and used in well ventilated area. The product must be stored in a cool place away from source of heat, open flames or sparks. Keep containers closed when not in use. Prevent contact with skin and eyes. In case of skin contact, wash with soap and water. In case of eye contact flush with water for 15 minutes and seek immediate medical care.

DISPENSING EQUIPMENT

The pumpable versions of the bonding compounds are supplied in drums, to be dispensed with internal metered mix equipment. Most commonly used dispensing equipment is supplied by Magnum Venus Products (www.mvpind.com). GS Manufacturing (www.gsmfg.com) and Glass-Craft (www.glascraft.com) also offer similar dispensing systems.

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California Proposition 65 Warning: This product contains the following chemicals known to the State of California to cause cancer: Styrene Oxide, Aniline. Styrene, in the presence of air and high temperature or the prolonged exposure to a styrene/air mixture to sunlight can react to form styrene oxide.