



## PARSON ADHESIVES, INC.

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### PARLITE 4035

#### UV/Visible Light Curing One Component Adhesive

PARLITE 4035 is a single component, 100% solids, light curing adhesive specifically designed, tested and qualified for Hub-Needle bonding application in the disposable medical devices industry.

#### FEATURES:

- UV and/or Visible light curing, one component acrylate adhesive.
- ISO10993-5 compliant for medical usage.
- PARLITE 4035 is well suited for syringe hub-needle bonding application.

#### APPLICATION:

- Ideal for assembly of disposable medical devices.
- Displays good adhesion to wide variety of substrates like metals and plastics.

#### PROPERTIES OF UNCURED ADHESIVE:

Chemical Type	Acrylated urethane resin
Appearance	Clear liquid
Specific Gravity @ 25 °C	1.09 – 1.11
Viscosity @ 25 °C, mPa.s (cP)	1,400 – 1,700
Hardness, Shore D	70 – 75
Elongation, %	100 – 150

#### PROPERTIES OF CURED ADHESIVE

##### Shear Strength, psi, ASTM D4501

PC to Steel	1,000 – 1,800
PP to Steel	800 – 1,200
PET to Steel	1,500 – 2,000
PVC to Acrylic	1,200 – 1,800
ABS to PC	1,500 – 2,000

#### TYPICAL CURE PROFILE:

10 to 20 seconds with 400W UV and/or Visible light

## **CURE CONDITIONS:**

With all cure systems, the time required for cure depends on several factors. Cure rates depend on the intensity of the light source, distance from the substrate etc. Use suggested cure conditions as general guidelines only.

## **DIRECTION FOR USE:**

This product is light sensitive. Exposure to direct light should be kept to a minimum during storage and handling. For best performance bond surfaces should be clean and free from grease.

**PRECAUTIONS:** This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the material.

**Warranty:** All products purchased from or supplied by Parson are subject to terms and conditions set out in the contract. Parson warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Parson is considered accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Parson makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.