

# LORD® UX-9155 Urethane Adhesive

## Technical Data Sheet

LORD® UX-9155 adhesive is a two-component urethane casting elastomer designed for tooling, industrial molding, and other applications where high hardness and convenient processing is required. Typical applications include model making, steel core rollers, mold testing, and urethane wheels.

### Features and Benefits:

**Environmentally Resistant** – exhibits high strength and low moisture absorption.

**Convenient** – permits room temperature mixing and casting; hand pourable.

**Room Temperature Cure** – suitable for curing at room temperature; may be heat cured (60°C) to expedite cure.

### Application:

**Surface Preparation** – Surfaces should be free of grease, dirt, mold release and other contaminants.

**Mixing** – Mix LORD UX-9155 A component with LORD UX-9155 B component at a ratio of 10 parts A component to 41 parts B component, by weight.

**Applying** – Hand pour or apply adhesive using automatic meter/mix/dispense equipment.

**Curing** – Allow material to cure for 12 hours at 25°C, or for 2 hours at 60°C.

### Shelf Life/Storage

Shelf life of each component is six months when stored in a clean, dry environment at 25°C in original, unopened container.

### Typical Properties\*

|                              | UX-9155 A    | UX-9155 B    | Mixed        |
|------------------------------|--------------|--------------|--------------|
| Appearance                   | Amber Liquid | Clear Liquid | Amber Liquid |
| Viscosity, cP @ 25°C         | 130          | 11,000       | 9000         |
| Specific Gravity             | 1.01         | 1.03         | 1.03         |
| Working Life, minutes @ 25°C | –            | –            | 30           |

\*Data is typical and not to be used for specification purposes.



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## Typical Cured Properties\*

|  |                    |
|--|--------------------|
| Hardness<br>Shore D                              | 40                 |
| Tensile Strength, MPa (psi)                      | 20.7 (3000)        |
| Elongation at Break, %                           | 270                |
| Volume Resistivity, ohm-cm @ 25°C                | $4 \times 10^{13}$ |
| Dielectric Strength, kV/mm (V/mil)<br>ASTM D 149 | 19.7 (500)         |
| Dielectric Constant<br>0.1 kHz, ASTM D 150       | 6.0                |

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## Cautionary Information:

Before using this or any Parker LORD product, refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions.

*For industrial/commercial use only.* Must be applied by trained personnel only. Not to be used in household applications. Not for consumer use.

Values stated in this document represent typical values as not all tests are run on each lot of material produced. For formalized product specifications for specific product end uses, contact the Customer Support Center.

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