

### **DELO-PUR® 9694**

#### **Base**

- polyurethane
- two-part

#### **Use**

- for bonding metal, plastic and sometimes even elastomers
- good tough-elastic properties
- very good strength under static and dynamic conditions
- suitable for larger gaps due to run-resistance
- very good suitable to bond housing
- approval Germanischer Lloyd, Elastomeric Adhesive
- successful tested according to UL 94 HB

#### **Processing**

- components A and B must be mixed well or homogenised according to beneath stated mixing ratio
- supplied ready to use and best applied from the original container
- special advantage in using the DELO-AUTOMIX system, see selection chart about DELO-AUTOMIX system
- surfaces to be bonded should be dry, free from dust, grease and other contaminants
- DELOTHEN cleaners are recommended for cleaning

#### **Curing**

- at room temperature
- quick curing

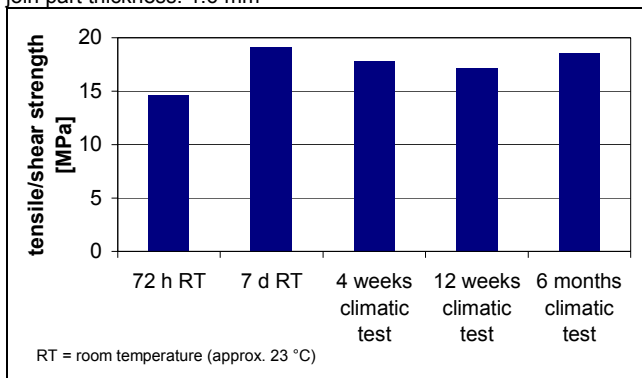
#### **Technical data**

|   |          |
|---|----------|
| Color   | black    |
| filler  | minerals |
| mixing ratio<br>(A : B) by weight                                   | 1 : 1    |
| (A : B) by volume   | 1 : 1    |
| Density [g/cm <sup>3</sup> ]<br>at room temperature (approx. 23 °C) | 1.45     |
| viscosity component A<br>brookfield at 23 °C                        | pasty    |
| viscosity component B<br>brookfield at 23 °C                        | pasty    |

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|  |            |
|--|------------|
| viscosity mixture<br>brookfield at 23 °C   | pasty      |
| pot life in 100 g preparation [min]<br>DIN EN 14022, at 23 °C  | approx. 10 |
| processing time in 100 g preparation [min]<br>at 23 °C   | 7          |
| Curing time until firmness to touch [h]<br>Tensile shear strength 1 - 2 MPa  | 2          |
| curing time until functional strenght [h]<br>tensile/shear strenght > 10 MPa   | 8          |
| Curing time until final strength [h]<br>at room temperature (approx. 23 °C)  | 72         |
| Tensile shear strength Al/Al [MPa]<br>DIN EN 1465, sand-blasted<br>join part thickness: 1.6 mm<br>after 24 h at room temperature (ca. 23 °C) | 13         |

Tensile shear strength Al/Al  
DIN En 1465, sand-blasted  
join part thickness: 1.6 mm



|  |     |
|--|-----|
| Tensile shear strength Al/Al [MPa]<br>DIN 54451, sand-blasted<br>join part thickness: 6 mm<br>after 72 h at room temperature (approx. 23 °C) | 14  |
| floating roller peel resistance St/St [N/mm]<br>DIN 53289 according to EN 1465, sand-blasted<br>join part thickness: 1.5 mm                  | 10  |
| temperature stability Al/Al at +100 °C [MPa]<br>DIN 53286, sand-blasted<br>join part thickness: 1.6 mm                                       | 3   |
| tensile strength [MPa]<br>DIN EN ISO 527   | 10  |
| elongation at tear [%]<br>DIN EN ISO 527   | 25  |
| Young modulus [MPa]<br>DIN EN ISO 527  | 100 |
| shore hardness A<br>DIN 53505  | 90  |
| shore hardness D<br>DIN 53505  | 50  |

|  |             |
|--|-------------|
| glass transition temperature [°C]<br>rheometer   | 40          |
| coefficient of elongation [ppm/K]<br>TMA, in a temperature range of +30 to +140 °C     | 167         |
| water absorption [weight %]<br>DIN EN ISO 62, 24 h at room temperature (approx. 23 °C) | 0.3         |
| chemical stability   | very good   |
| Recommended long-term temperature range of use [°C]                                    | -40 to +100 |
| temperature resistance [°C]  | +180        |
| Specific volume resistance [Ωcm]<br>VDE 0303, part 3                                   | 1.4xE12     |
| surface resistance [Ω]<br>VDE 0303, part 3   | 5.5xE13     |
| Dielectric strength [kV/mm]<br>VDE 0303, part 2  | 17.7        |
| creep resistance CTI<br>VDE 0303, part 1, IEC 112                                      | > 600 M     |
| Storage life<br>at room temperature (approx. 23 °C) in unopened original container     | 6 months    |

## **Instructions and advice**

### **General**

The data and information provided are based on tests performed under laboratory conditions. Reliable information about the behaviour of the product under practical conditions and its suitability for a specific purpose cannot be concluded from this.

It is the user's responsibility to test the suitability of the product for the intended purpose by considering all specific requirements. Type and physical and chemical properties of the materials to be processed with the product, as well as all actual influences occurring during transport, storage, processing and use, may cause deviations in the behaviour of the product compared to its behaviour under laboratory conditions. All data provided are typical average values or uniquely determined parameters measured under laboratory conditions.

The data and information provided are therefore no guarantee for specific product properties or the suitability of the product for a specific purpose.

### **Instructions for use**

The instruction for use is available under following address: [www.DELO.de](http://www.DELO.de). If requested we will also be pleased to send it to you.

### **Occupational health and safety**

see material safety data sheet

### **Specification**

see quality assurance test report