

TECHNICAL DATASHEET

7611

(Resin 7607 + Hardener 7609)

Description

7611 is a black, fast curing, unfilled epoxy potting compound. The product is most appropriate for potting of smaller volumes such as for cables, connectors, plugs, sensors in the electronic market.

Advantages

- Fast curing
- Excellent adhesion on various materials
- Black
- Self-levelling
- Solvent-free, good chemical resistance

Physical properties (liquid product)

Chemical base		Epoxy resin
Curing System		2-component-system
Mixing ratio (v:v)		1 : 1 (<i>resin : hardener</i>)
Mixing ratio (w:w)		100 : 96.2 (<i>resin : hardener</i>)
Shelf life		24 month at 2 – 30 °C
Viscosity acc. to DIN EN 12092 cone 25-1 shear rate 35		
	Resin 7608	5'000 – 8'000 mPa•s
	Hardener 7609	13'000 – 19'000 mPa•s
	Mixture	8'000 – 11'000 mPa•s
Density	Resin 7607	~ 1.18 g/cm ³
	Hardener 7609	~ 1.12 g/cm ³
	Mixture	~ 1.15 g/cm ³
Colour	Resin 7607	Black
	Hardener 7609	Clear/yellowish
	Mixture	Black

Curing properties

Pot life at 23°C; ~5g	~ 3.5 minutes
Final strength at 23°C	~ 48 hours
Shrinkage during curing (volume)	< 6 %

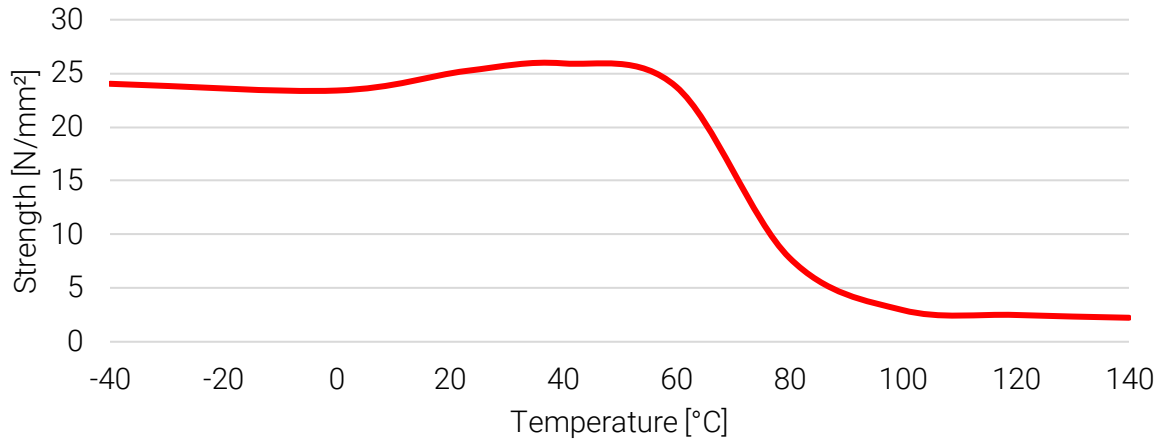
Physical properties (cured product)

Thermal range

- 60 °C up to 100 °C

Strength at various temperatures (Curing for 16 hours at +40°C and stored for 2 hours at test temperature / material: steel, corundum blasted)

Tensile shear strength acc. to DIN EN 1465



Glass transition point

52 °C

Coefficient of expansion

< T_g
> T_g

52 ppm/K
215 ppm/K

Shore D hardness

~ 75

Thermal conductivity

~ 0.2 W/(m·K)

Volume resistivity

~ 10¹⁴ Ω·cm

Dielectric strength

~ 38 kV/mm

Precautions

For your own safety, please refer to the information of the concerned MSDS and for the correct handling the “user instructions”.

The information in this data sheet is based on the results of our research and experience. However, the suggestions herein concerning the use, application, and processing of the products (collectively, „the methods“) **are non-binding recommendations only**. It is the user’s sole responsibility to determine the suitability and safety of these methods, based on the user’s particular purpose in using the products. Before relying on the reliability and safety of any parts that are bonded using the products, it is extremely important that the user test the reliability and safety of the parts that are bonded. Failure to do so could result in serious personal injury. Because of the use of the products are within the purchaser’s sole control, Kisling Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability or fitness for a particular purpose, arising from the sale or use of the products described herein. Kisling Corporation specifically disclaims any liability for consequential, incidental, or other damages of any kind, including lost profits. Kisling Corporation’s liability for damages shall not exceed the purchase price of the products used.

TIS_7611_e/PC/24.10.2022