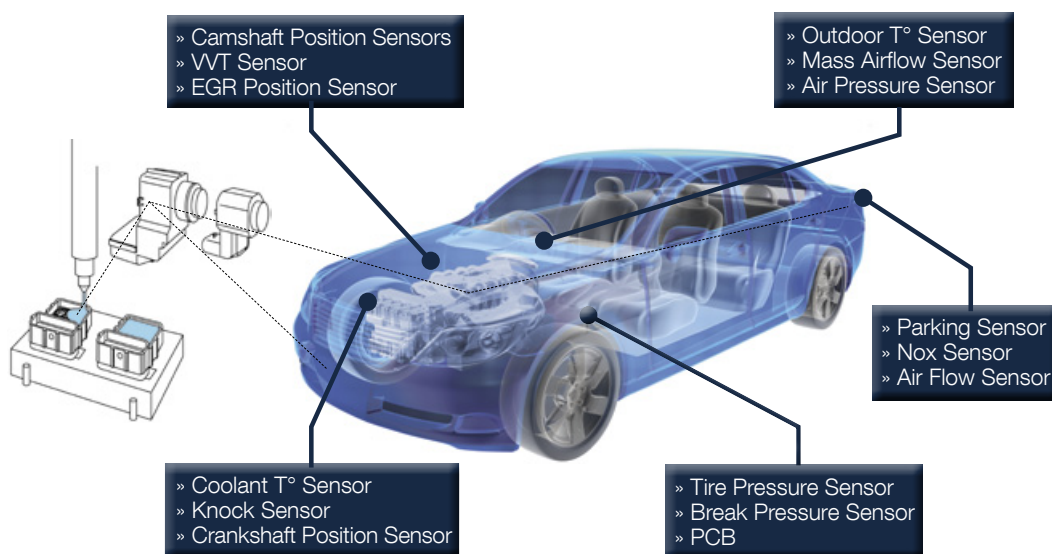




We Enable Energy

## Resin solutions for automotive sensors and PCBs



### A large “easy processing” resin choice for different technical specifications

#### Outstanding properties:

- » Rigid to highly flexible resin solutions
- » Thermal shock resistance: Low glass transition temperature for a safe usage from -60°C to +150°C
- » Thermal index up to 150°C
- » Flame-retardant UL V0
- » High oil and chemical resistance
- » Extremely low water absorption
- » Solder paste compatibility (Bono tests)
- » Compliant with new regulations and directives (REACH, ELV or RoHS): halogen-free, MDI-free hardener available

#### Typical applications:

- » Electronic assemblies, PCBs
- » Fragile components
- » Sensors
- » Transformers, coils, relays

# Silicone-free highly flexible resin solutions

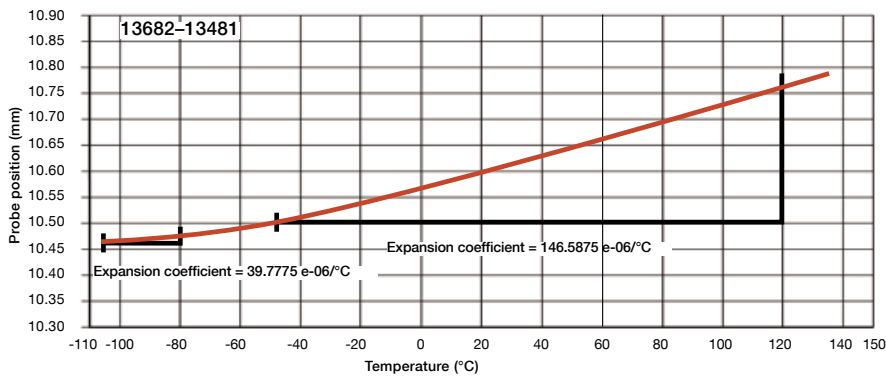


Brand	Reference*	Mix viscosity (mPa.s)	Hardness (Sh. A)	Tg °C (TMA)	Thermal expansion (ppm)	Thermal conductivity W/m.K	Elongation at break (%) 25°C
Dolph's	CB-1109	3500@25°C	40	-50	217	0.42	50 – 60
Damival™	13681	3300@25°C	51	-42	211	0.28	40 – 50
Damival™	13682	5000@25°C	46	-70	146	0.95	40 – 50

\*Customization is possible on request

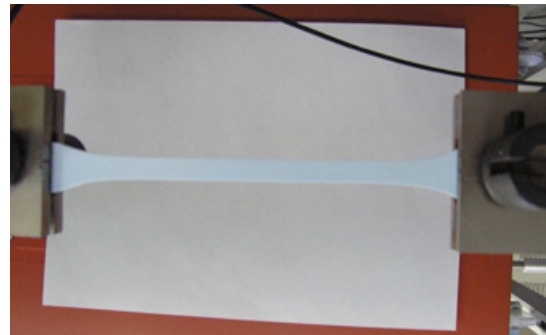
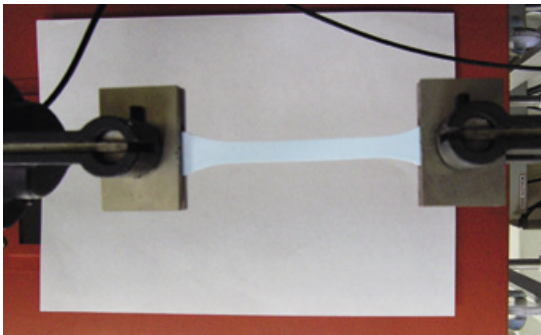
## Thermal mechanical analysis:

Low expansion coefficient over a large temperature range.

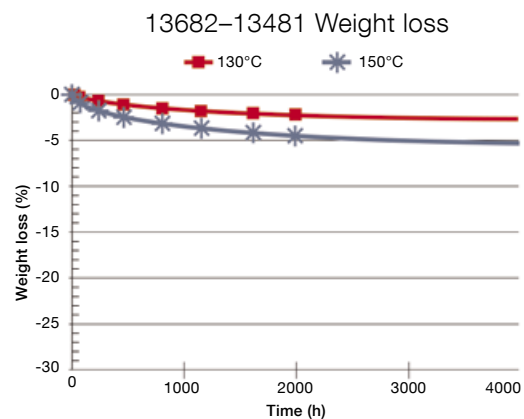
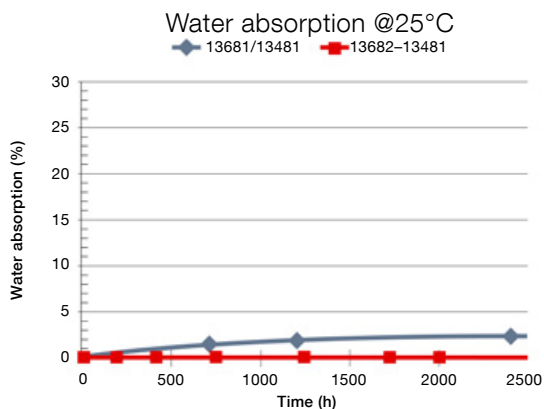


## High elongation at break:

High flexibility and compatibility with fragile components.



## Strong resistance to moisture and water:



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