



# NYSTEIN Thermal Gel Flextein® TG892

## Technical Data Sheet

### Product Description:

Flextein TG892 is a thermally conductive gel material with an ultra-high thermal conductivity of 12 W/m·K. Flextein TG892 can be used in different applications by dispensing and is perfectly adapted to the needs of production automation.

Unlike thermally conductive silicone grease, Flextein TG892 thermally conductive gel is non-settling and non-flowing and is suitable for dispensing equipment.

### Features & Benefits:

- Thermal conductivity 12.0 W/m·K
- High weather resistance and reliability
- low oil seepage rate
- RoHS compliant



### Typical Property Data:

Property	Unit	Parameter	Test Method
Appearance	--	Grey	Visual
Min. Used Thickness	mm	0.2	ASTM D374
Extrusion rate	g/min	30	Nystein
Thermal Conductivity	W/m · K	12.0	ISO 22007-2
Density	g/cm <sup>3</sup>	3.15	ASTM D792
Thermal Resistance	@50 psi °C·in <sup>2</sup> /W	0.046	ASTM D5470
Dielectric Strength	kV/mm	≥6.0	ASTM D149
D3-D20	ppm	< 50	Nystein
Volume Resistivity	Ω ·cm	≥ 1.0 × 10 <sup>12</sup>	ASTM D257
Oil Bleeding Rate	%	< 1.0	125°C&48h
Service Temp	°C	-40 to 150	Nystein
Flame Rating	—	V-0	94 UL
RoHS	—	Yes	Nystein

**Typical Application:**

- Consumer electronics, communication equipment
- Tablet, multimedia devices
- Desktop, portable computer and server
- LED lighting devices
- Printed circuit board assemblies, housing connections
- Fiber optic communication devices
- Automotive electronics
- Fragile/fragile assemblies, case connections
- Military electronics

**Configuration Available:**

- 30cc, 55cc, 300cc Syringe.
- 1kg, 10kg pail.

**Storage conditions:**

- Sealed at room temperature away from light, and stored in a dry place.
- Best Storage conditions: Temperature: 25°C ( $\pm 3$ ), Humidity: 50% ( $\pm 10$ ), can be stored for 12 months.
- The materials taken out after opening may be contaminated during use, so please do not mix contaminated products with unopened products. Nystein assumes no responsibility for contaminated products or conditions other than the required storage conditions.
- For additional information, please contact your appropriate sales, technical support, or customer service representative promptly.

**Declare**

The information provided in this Technical Data Sheet (TDS), including product use and application recommendations, is based on our knowledge and experience with Nystein China products. The data contained in this TDS is for informational purposes only and is believed to be reliable. To obtain official product specifications for a specific product end use, please contact the sales, Application Engineer or customer service person with whom you are in contact.

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