

NCgel Silicone System

Re-enterable Silicone Electrical Insulation Gel Technical Data Sheet (TDS)

Item	Information
Chemical base	Two-component platinum-cure silicone gel
Mixing ratio	A:B = 1:1
Main application	Electrical insulation and removable encapsulation
Packaging compatibility	NCpack dual-component pouch systems
Appearance	Transparent / translucent
Key feature	Soft re-enterable gel structure

1. PRODUCT DESCRIPTION

NCgel Silicone System is a soft, flexible and re-enterable silicone gel system developed for electrical insulation, moisture protection and serviceable encapsulation applications.

2. APPLICATION AREAS

- Junction boxes and cable joints
- Electronic enclosure protection
- Re-enterable insulation systems
- Moisture and environmental sealing
- Field electrical insulation applications

3. KEY FEATURES

- Soft removable gel structure
- Easy maintenance and re-entry access
- Platinum-cure silicone system
- NCpack pouch compatible dispensing
- Low shrinkage behavior
- Extended working time

4. PHYSICAL & CURING PROPERTIES

Property	Typical Information
Mix ratio	1:1
Pot life @ 25°C	30-40 minutes
Initial cure	3-4 hours
Full cure	24 hours
Final structure	Soft re-enterable gel
Flow behavior	Medium viscosity suitable for pouch dispensing
Shrinkage	Low shrinkage
Recommended processing temperature	20-30°C

5. ELECTRICAL INFORMATION

Reference Area	Information
Electrical behavior	Designed for stable electrical insulation and moisture protection
Dielectric evaluation	Comparative dielectric measurements were conducted under laboratory conditions

Reference Area	Information
Application class	Electrical insulation and removable encapsulation systems

6. STORAGE & HANDLING

Parameter	Recommendation
Storage temperature	+5°C to +30°C
Storage condition	Store in dry environment away from direct sunlight
Shelf life	To be evaluated according to final packaging and storage conditions
Handling	Use standard protective equipment during handling

7. PACKAGING OPTIONS

Packaging	Availability
NCpack pouch	Dual-component pouch with nozzle / spout option
Custom format	Available upon request
OEM supply	Available upon request
HS / GTIP	3910.00 - Silicones in primary forms

8. REGULATORY & TECHNICAL NOTE

Final REACH / RoHS status should be confirmed according to final formulation and raw material supplier declarations. All technical values stated in this document are typical reference values intended for technical communication purposes only.

9. DISCLAIMER

Users should evaluate the suitability of this product for their specific application through their own testing procedures. Technical values may vary depending on processing conditions, environmental exposure and application geometry.

10. COMPANY INFORMATION

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