



NyoGel® 760G

A silica thickened, medium viscosity, synthetic hydrocarbon grease intended for lubrication and protection of electrical connectors.



Electrical Equipment

Application: Electrical Connectors

Component Lubricated: Electrical Contact Surfaces

Electrical connectors are the physical interface between electrical equipment, wires, cables, and electrical circuits found in use throughout the electric power generation and distribution industries. Applications range from LV electrical connections in control panels for gas and wind turbines to MV (up to 50KV) circuit breaker contacts. Without lubricant protection, contact metals are extremely susceptible to corrosion, resulting in loss of connectivity over time. NyoGel 760G **seals electrical contacts from oxygen, moisture, aggressive gasses** and other hostile elements. In applications where the connector is exposed to the elements, filling the connector housing with grease before mating is also recommended. The grease acts as a back-up environmental seal. A thin film of lubricant also reduces mating/insertion force by as much as 80 percent, ensuring solid connections and efficient assembly.

Metal contacts are subject to “**fretting corrosion**” — abrasion resulting from low amplitude vibration caused by motion or thermal expansion and contraction. Abraded metal can build up and break the connection. NyoGel 760G minimizes metal-to-metal wear, protecting the contact from fretting corrosion.

Typical Properties

Lubricant Properties	Typical Value	Test Method
Temperature Range	-40 to 135°C	
Base Oil	Polyalphaolefin	
Thickener	Silica	
Kinematic Viscosity (100°C)	39.4 cSt	ASTM D-445
Kinematic Viscosity (40°C)	400 cSt	ASTM D-445
Dropping Point	260°C	ASTM D-2265
Copper Corrosion (24hrs, 150°C)	1A, No corrosion	ASTM D-4048
Water Washout (60 min, 80°C)	2%	ASTM D-1264
Evaporation (24hrs, 100°C)	0.3%	ASTM D-972

Nye also manufactures and commercializes other **oils and greases** for the power generation industry. Additional lubricants are available to meet a wide range of application requirements. For further information, technical specifications, evaluation samples, questions about any Nye product, or to discuss a lubricant custom-designed for your application - call us at +1.508.996.6721 or visit us at www.nyelubricants.com.



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