Fluorocarbon Gel 880

A PTFE thickened, heavy viscosity, dimethyl silicone grease. Benefits include excellent water resistance and mechanical stability over a wide temperature range.

Wind Turbines

Application: Yaw Gear Motor
Component Lubricated: Contact Seal Rings

Contact seal rings in **wind turbine yaw gear motors** can benefit from a lubricant. Nye Fluorocarbon Gel 880 is a unique heavy viscosity lubricant that protects the elastomeric seal material from environmental elements & wear. In wind turbines, seals are exposed to extreme conditions including salt corrosion, harsh weather, icing and extreme heat. Fluorocarbon Gel 880 is well suited for lubricating seals, providing very low friction at the widest operating temperatures and ensures long operating life of seals and components protected from the **harshest operating environments**. Its silicone base oil makes it compatible with most plastics and rubbers used in the seals. It has **excellent water washout resistance** and very low evaporation.

Typical Properties

Lubricant Properties	Typical Value	Test Method
Temperature Range	-40 to 200°C	
Base Oil	Dimethyl Silicone	
Thickener	PTFE	
Kinematic Viscosity (100°C)	7,349 cSt	ASTM D-445
Kinematic Viscosity (40°C)	18,407 cSt	ASTM D-445
Pour Point	-62°C	ASTM D-97
Water Washout	0.25%	ASTM D-1264
Oil Separation (24hrs, 100°C)	0.0%	ASTM D-6184
Evaporation (24hrs, 100°C)	0.08%	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.

Nye Lubricants
12 Howland Road
Fairhaven, MA 02719 USA
Ph: +1.508.996.6721
Email: contact@nyelubricants.com