



Fluorocarbon Gel 880

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



Coal Plant Piping

Application: Fuel Feed Piping
Component Lubricated: Gaskets & Seals

Coal power plants use Fluorocarbon Gel 880 as a gasket lubricant and sealant in all of the joints of the plant fuel feed piping. The lubricant prevents coal leaks in the piping when coal dust is transferred from the crusher to the boiler.

Fluorocarbon Gel 880 acts as a sealant. It can withstand a wide range of temperatures and it 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 and gaskets. 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)	7,900 cSt	ASTM D-445
Kinematic Viscosity (40°C)	19,600 cSt	ASTM D-445
Pour Point	< -40°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)	0.05%	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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