

## Nye Lubricants 821-1 (FG) Synthetic Oil

Category : Fluid , Lubricant , Polyalphaolefin (PAO) , PTFE Gellant

**Material Notes:**

Information provided by Nye Lubricants.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Nye-Lubricants-821-1-FG-Synthetic-Oil.php](http://www.lookpolymers.com/polymer_Nye-Lubricants-821-1-FG-Synthetic-Oil.php)

Physical Properties	Metric	English	Comments
Viscosity Measurement	137	137	Viscosity Index of Base Oil; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	16.6 cSt	16.6 cSt	Base Oil; ASTM D445
Kinematic Viscosity at 100°C (212°F)	3.8 cSt	3.8 cSt	Base Oil; ASTM D445
Evaporation Loss	0.050 %	0.050 %	24 hrs, 100C; ASTM D972

Mechanical Properties	Metric	English	Comments
Penetration P(0), 1/10 mm	318	318	ASTM D217
Penetration P(60), 1/10 mm	330	330	ASTM D217
Oil Separation	4.9 %	4.9 %	24 hrs, 100C; FTM 719B, 321.2

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 °C	248 °F	Recommended
Minimum Service Temperature, Air	-54.0 °C	-65.2 °F	Recommended
Pour Point	-65.0 °C	-85.0 °F	Base Oil; ASTM D97

Descriptive Properties	Value	Comments
Base Fluid Type	PAO	
Gellant Type	PTFE	

## Contact Songhan Plastic Technology Co.,Ltd.

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