



# TECHNICAL DATA

Rev.06/19

## PETRO-GARD® FMG-1

### SEMI-SYNTHETIC FOOD GRADE ALUMINUM COMPLEX GREASE

**PETRO-GARD® FMG-1** grease is an aluminum complex thickened semi-synthetic lubricating grease created specifically for the pharmaceutical, food service, bakeries, dairy, meat and poultry, beverage, and packaging industries. The aluminum complex thickener system provides excellent water resistance and a broad operating temperature range from -30°C to 148°C (300°F). NSF H1 registered for incidental contact with food in and around food processing areas.

**PETRO-GARD® FMG-1** is a combination of newly developed additives and dependable BX1 additives provide excellent anti-wear/extreme pressure properties, oxidation resistance, and corrosion prevention. Special additives are employed to keep the grease in place between wash-down cycles, which improves equipment and lubricant life in wet conditions.

#### PHYSICAL PROPERTIES:

SEMI-SYNTHETIC FOOD GRADE GREASE	PETRO-GARD® FMG-1
NLGI Grade	1
ISO GRADE	220
Color	White to slightly off white
Texture	Homogenous
Base Oil -ASTM D 446	Mineral Oil/PAO
Viscosity at 40°C cSt	138 cSt
Viscosity at 100°C cSt	17.5 cSt
Viscosity Index	140
Thickener Type	Aluminum Complex
Density at 20°C g/cm <sup>3</sup>	0.95
Service Temperature	-35°C to 148°C (300°F)
Drop Point -ASTM D 2265	250C (482F)
Penetration Worked 60 ds	320
Prolong worked 100,000 ds ASTM D 217	350
Oil Separation -ASTM D6184	< 7%
4-Ball Wear - ASTM D 2266	0.45mm
4-Ball Load Wear Index	48.9
Last non seizure load	100-kg
Last seizure load	400-kg (2.02mm)
Weld load, kg ASTM D 2596	315 kg
Corrosion Preventative Properties – ASTM D 1743	Pass
Corrosion Preventative Properties EMCOR ASTM D 6138	0/0
Water Washout – ASTM D 1264	9%
NSF Registered (Approved for incidental contact with food)	H1

#### Petrochem, Inc.

##### High Performance Lubricants

333 North Randall Road, St. Charles, IL 60174

Phone (630) 513-6350

Fax (630) 513-8324

Web [www.petrochem1.com](http://www.petrochem1.com)

Email [info@petrochem1.com](mailto:info@petrochem1.com)



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