



# TECHNICAL DATA

Rev.5/12

## PETRO-GARD® FMG-2

### SEMI-SYNTHETIC FOOD GRADE ALUMINUM COMPLEX GREASE

PETRO-GARD® FMG-2 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-2 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-2
NLGI Grade	2
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/cm3	0.97
Service Temperature	-30°C to 148°C (300°F)
Drop Point -ASTM D 2265	270C (518F)
Penetration Worked 60 ds	280 1/10 mm
Prolong worked 100,000 ds ASTM D 217	308 1/10 mm
Oil Separation -ASTM D6184	< 3%
4-Ball Wear - ASTM D 2266	0.47mm
4-Ball Load Wear Index	64.3
Last non seizure load	100-kg
Last seizure load	400-kg (2.02mm)
Weld load, kg ASTM D 2596	400 kg
Corrosion Preventative Properties – ASTM D 1743	Pass
Corrosion Preventative Properties EMCOR ASTM D 6138	0/0
Water Washout – ASTM D 1264	3%
NSF Registered (Approved for incidental contact with food)	H1

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