TECHNICAL DATA SHEET

LOW TEMPERATURE SYNTHETIC GREASE

Product Description

A premium grade, heavy duty synthetic grease with PTFE that contains corrosion and rust inhibitors for extended service life. Formulated for use in extreme temperatures ranging from -43°C to 232°C.

Areas of Application

Ideal for a wide range of equipment including industrial construction, mining, automotive and marine applications. Excellent on plain or roller bearings, pillow blocks, bucket pins, shakers, gear motors, kiln cars, slideways, soot blowers etc.

Technical Details

Format	Cartridge
Lubricant System	Grease
Thickener	Inorganic (Silica)
Oil Base	Synthetic
Colour	Translucent White
NLGI Class (ASTM D217)	2
Working Penetration (ASTM D217)	265 – 295
Temperature Range	-43°C to +232°C
Drop Point (DIN ISO 2137)	> 287°C
Base Oil Viscosity (40°C)	69 mm^2/s
Base Oil Viscosity (100°C)	8 mm^2/s
Solid Lubricant	PTFE
Density	0.89 g/cm^3
Smell/Fragrance	Mild
Shelf Life	5 years
Four Ball Test (ASTM D2596) **Load Wear Index** **Weld Point**	 70.63 kgf 400 kg
Timken OK Load (ASTM 2509)	40 lbs
Water Washout (ASTM1264)	< 1%
Copper Corrosion-24 hrs (100°C) (ASTM D664)	1B, Shiny
Salt Spray Test (100 hrs)	Pass
Dielectric Strength (ASTM D149)	643 V/mil
Dielectric Resistivity (ASTM D1169)	1.7×10^{14}
Dielectric Constant (ASTM D924)	2.5

Description	Contents	Art. No.
Low Temperature Synthetic Grease	**397 g**	**890.602**

Key Features

- **NSF Registered (H1)**
- **Meets the specifications of NLGI Standard GC-LB**
- **Wide temperature range, great for low temperature applications. Will not melt, separate or form gummy deposits due to temperature changes**
- **Will not drip, run or evaporate**
- **Outlasts conventional greases 3 to 4 times**
- **Prevents rust and corrosion while reducing friction**
- **Impervious to salt water, safe in potable water**
- **Silicone free, body shop safe**

Wurth Canada Limited | 345 Hanlon Creek Blvd. | Guelph, ON | N1C 0A1 | 905.564.6225 | 1.800.263.5002 | www.wurth.ca

Compatibility Chart			
Plastics	**Rating**	**Rubbers**	**Rating**
Acrylonitrile Butadiene Styrene (ABS)	**E**	Acrylic rubber (ACM)	**E**
Cellulose acetate (CA)	**E**	Buna S	**NC**
Polyamide (PA) (Nylon)	**E**	Butyl (IIR)	**NC**
Polycarbonate (PC)	**G**	Polychloroprene rubber (CR)	**G**
Polyethylene (PE)	**E**	Chlorosulphonated PE-rubber (CSM)	**E**
Polyethylene-/polybutylene terephthalate (PET / PBT)	**E**	Ethylene-propylene-diene rubber (EPDM)	**NC**
Polyoxymethylene, Polyacetal (POM) (Delrin)	**E**	Fluorinated rubber (FKM)	**E**
Polypropylene (PP)	**E**	Natural rubber (NR)	**NC**
Polyphenylene oxide (PPO)	**E**	Neoprene	**E**
Polyphenylene sulfide (PPS)	**E**	Nitrile (NBR)	**E**
Polystyrene (OS)	**G**	Polyurethane (AU, EU)	**E**
Polytetrafluoroethylene (PTFE)	**E**	Propylene-tetrafluorethylene rubber (FPM, FEPM)	**E**
Polyurethane (PUR)	**E**	Styrene-butadiene rubber (SBR)	**NC**
Polyvinylchloride (PVC)	**E**	Silicone rubber (FMQ, PMQ, MQ, VMFQ, VMQ)	**G**
Thermoplastic elastomer (TPE)	**E**	Viton (FKM)	**E**

RATING KEY
E – COMPATIBILITY EXCELLENT
G – COMPATIBILITY GOOD
NC – NOT COMPATIBLE

Cautions

This grease is delivered in a plastic cartridge that improves storage (prevents grease from oozing out at high temperatures). Store cartridges upright, in a cool dry place. Always observe the operating instructions of the vehicle, machinery or assembly manufacturer before use.

Disclosure Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that Wurth Canada believes are reliable, however the accuracy or completeness of such information is not guaranteed.

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