

## ART OIL TEMP BNT 462/4615/461

### DESCRIPTION

ART OIL TEMP BNT SERIES is bentonite (clay) based, high-performance inorganic grease specially developed for operating conditions at extremely elevated temperatures.

### FIELDS OF USAGE

It can be used in plain and roller bearings in the steel industry, in the rotary steam connections of under-sieve coolers and calendars in the cement industry, in the rollers and chains of oven conveyors, and in the roller and crusher bearings of heavy construction machines.

### PROPERTIES

- Provides the opportunity to work at elevated temperatures.
- Its excellent thermal stability ensures effective lubrication without deterioration at extremely elevated temperatures.
- Oxidation resistance is extremely high and provides a long service time.
- Can be pumped in central systems.
- Perfectly protects the system against rust and corrosion.

### STORAGE

- Packaging should be stored in covered areas with the lids tightly closed.
- It should not be exposed to the direct effects of sun heat and heat sources.
- The ambient temperature should not exceed 60°C.
- Maximum two pallets should be stored on top of each other.
- Consult the Material Safety Data Sheet (MSDS) for more information.

## SUBSTANTIAL AND CHEMICAL PROPERTIES

ART OIL TEMP BNT	Standard	462	4615	461
NLGI	DIN 51818	2	1,5	1
Color		Brown	Brown	Brown
Base Oil		Mineral	Mineral	Mineral
Soap Type		Bentonite	Bentonite	Bentonite
Processed Penetration 60 ST, 25°C	ASTM D 217	265-295	295-305	310-340
Density 20°C, g/cm <sup>3</sup>	DIN 51717	~ 0,92	~ 0,91	~ 0,91
Base Oil Viscosity, 40°C mm <sup>2</sup> /sn	ISO VG	460	460	460
Drip Point, °C	DIN ISO 2176	Does Not Drip.	Does Not Drip.	Does Not Drip.
Separation From Oil * % Weight + t = 30 h, T =150°C	FTMS 791 C 321.3	1,5 Max	2,0 Max	2,5 Max
Shell 4 Ball Test, Welding Load (kg)	ASTM D 2596	>450	>400	>400
Water Spray Test % Weight Loss	ASTM D 4049	3 Max.	3.5 Max.	4 Max.
Speed Factor (nxdm) mm/min	d+D/2 x n	350.000	400.000	400.000

(\*) Values may differ from production to production.

### HEALTH AND SAFETY

Used waste products should not be dumped into underground and above-ground water sources, sewer connections, and garbage. Prolonged contact with used oils can cause skin diseases. Therefore, sterile gloves should be used. If the used oil encounters the skin, that area should be washed immediately with plenty of water and soap. If irritation or redness occurs in case of skin contact, seek medical advice immediately.