



TECHNICAL SPECIFICATION

HYDYNAMIC PA 12 GREASE FILLED

1. Scope

0620-0005-0603 / 6.0X1.5 RIGID
0620-0009-0603 / 6.0X1.5 FLEXIBLE

2. Material / material properties

Polyamide PA12 HL
(Polyamide 12 plasticized, heat-stabilized and impact modified)

Polyamide PA12 PHL Y acc. to DIN 73378 & DIN 74324
(Polyamide 12 plasticized, highly flexible, heat-stabilized and impact modified)

Material property	0620-0005-0603	0620-0009-0603
Density DIN EN ISO 1183	1,07 ± 0,02 g/cm ³	1,02 ± 0,02 g/cm ³
Hardness Shore D DIN EN ISO 868	74 ± 5	65 ± 5
Tensile stress at break DIN EN ISO 527- 1/2	≥ 45 MPa	≥ 25 MPa
Nominal elongation at break DIN EN ISO 527- 1/2	≥ 50 %	≥ 3 %

Application temperature range: - 40° C up to + 100° C, short-term up to + 160 °C for PA12 HL and + 125 °C for PA12 HL FLEXIBLE.

The information given here is based on empirical values. The values provided shall be regarded as non- binding.

3. Dimensions / tolerances / color

HYDY-Art.	Dimension	Material	Outer -Ø [mm]	Wall thickness [mm]	Color
0620-0005-0603	6x1.5	PA 362	6.00 ± 0.10	1.50 ± 0.10	Black, 98300
0620-0009-0603		PA 362			Black, 98300

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6. Pressure resistance / bending radius

HYDY-Art.	Dimension	Material	Working pressure* [bar]	Burst pressure* [bar]	Bending radius* [mm]
0620-0005-0603	6x1.5	PA 362	Max. 93	Min. 279	Min. 40
0620-0009-0603		PA 362	Max. 82	Min. 204	Min. 35

* Reference values acc. to DIN 73378 and DIN 74324.

Product description

EP 00/000

EP00/000 is an efficient performance, mechanically stable extreme pressure lithium grease, suitable for use in a wide range of utility vehicle and centralised industrial lubrication systems. Light green in colour, this mineral oil-based grease is water resistant and contains anti-wear, anti-oxidation and rust resistance additives.

Customer benefits

- Good extreme pressure and shock load protection performance
- Reliable oxidation resistance
- Water resistant
- Rust and corrosion protection
- Suitable for high speed applications

Applications

- This grease is suitable for centralised lubricating installations in utility vehicles as well as for outside working units having long lubrication feed lines. EP 00/000 is semi-fluid and may also be used for many gear types, where grease lubrication is recommended

Typical applications are:

- Lubrication of rail vehicle wheels
- Truck wheel bearings
- Roller bearings in crushers, mills and mixers
- General lubrication applications in steel plants, especially hot and cold rolling mills
- Centralised lubrication systems where grease is supplied to highly loaded lubrication points



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Approvals, performance and recommendations

Approvals

- Firma Willy Vogel Central lubrication
- Tecalemit Central lubrication
- Lincoln Central lubrication
- Mercedes-Benz Liefervorschrift DBL 6833.00
Blue Book spec 264
- MAN 283 Li-P00

Performance

	DIN 51 502	ISO 6743-09	Operating temperature
EP 00/000	GP 00/000 K-50	ISO-L-XEBEB 00/000	-50 °C up to 120 °C

Typical test data

Test	Test methods	Results
NLGI Grade	DIN 51 818	00/000 supplied as an NLGI 000
Product Code		36437
Soap type	DIN 51 814	Lithium-12-hydroxystearate
Worked penetration, mm/10	DIN ISO 2137	400 – 460
Dropping Point, °C	DIN ISO 2176	>160
Base oil viscosity at 40°C, mm ² /s	DIN 51 562	Approx. 45
Water resistance, static	DIN 51 807/1	1-90
Corrosion resistance, Emcor	DIN 51 802	0/0
Four Ball EP, weld load, N	DIN 51 350	2200
Flow pressure at –35°C, mbar	DIN 51 805	<60