

Evolit BGF

Art. 00273-00277

Description: Evolit BGF is a range of special industrial gear oils based on selected mineral oil raffinates with zinc- and ash-free wear protection additives.

Applications: – The Evolit BGF product range is ideal for lubricating closed industrial drives of the helical, bevel and worm gear types. These gear oils are eminently suitable for use in the paper industry, for immersion and circulation lubrication, and for lubricating heavy-duty roller and plain bearings, joints and guideways.

Product properties

- The special formulation ensures very good wear protection, high loadability and excellent scuffing load capacity
- Largely prevents grey stains on the tooth flanks (pitting / micropitting)
- High resistance to shear, oxidation and ageing
- Effective protection against corrosion of ferrous and nonferrous metals, low foaming
- Good compatibility with commercial elastomers
- Free of zinc and ash

Benefits

- Greatest possible reliability even when operating under unfavourable mechanical loading conditions
- The high resistance to grey stains ensures excellent protection against pitting damage on heavily loaded gear drives susceptible to micropitting
- The oil viscosity class remains unchanged over the entire service life and ensures a long-lasting filling
- Machine parts in multi-metal systems are very well protected; cavitation, corrosion and foaming are largely eliminated even with heavy pollution
- Very good compatibility and long life of installed sealing elements is guaranteed
- No ash residue formation

Specifications and standards:

The Evolit BGF product range meets and exceeds standards and specifications as follows:

Norm	Evolit BGF 100 Art. 273	Evolit BGF 150 Art. 274	Evolit BGF 220 Art. 275	Evolit BGF 320 Art. 276	Evolit BGF 460 Art. 277
DIN 51517-3	CLP	CLP	CLP	CLP	CLP
DIN 51524-2	HLP				
ISO 12925-1	CKD	CKD	CKD	CKD	CKD
AGMA 9005-E02	3EP	4EP	5EP	6EP	7EP

The Evolit BGF product range furthermore complies with the following requirements:

- Flender

Physical-chemical data: – see overleaf

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Physical-chemical data:

Parameter	Unit	Evolit BGF 100 Art. 273	Evolit BGF 150 Art. 274	Evolit BGF 220 Art. 275	Evolit BGF 320 Art. 276	Evolit BGF 460 Art. 277	Standard
Appearance:		clear	clear	clear	clear	clear	
Colour:		yellow-brown	yellow-brown	yellow-brown	yellow-brown	yellow-brown	
ISO-VG Class:		100	150	220	320	460	DIN 51519
Viscosity (40 °C)	mm ² /s	100	150	215	315	450	ASTM D 7042
Viscosity (100 °C)	mm ² /s	11.5	15.0	19.0	24.0	31.0	ASTM D 7042
Viscosity index:		101	98	98	97	96	DIN ISO 2909
Density (20 °C)	g/cm ³	0.880	0.887	0.892	0.898	0.902	DIN 51757
Pourpoint:	°C	-26	-23	-21	-15	-14	DIN ISO 3016
Flashpoint (COC):	°C	245	250	250	255	264	DIN EN ISO 2592
FZG grey stain test:	SKS ⁽¹⁾				10 pass		FVA Nr. 54
	GF-class				GFT ⁽²⁾ -high		FVA Nr. 54
FZG A/16,6/90:	SKS ⁽¹⁾				12 pass		ISO 14635-1

(1) SKS = Damage load stage

(2) GFT = Grey stain test

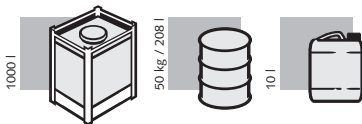
Safety and environmental aspects:ADR/RID:
Precautions:Water hazard class:
LVA/EU waste code:
CH waste code:

Classification and labelling:

Not classified as hazardous by transport regulations
Do not allow product to reach ground water, water course or sewage system. Harmful to aquatic organisms.Slightly hazardous to water (WGK 1)
13 02 05

Identical to EU waste code (as per VeVA waste regulations of 01.01.06)

See safety data sheet

**Container sizes:**

Art. 273

Art. 274

Art. 275

Art. 276

Art. 277

IBC: 1000 l

IBC: 1000 l

Drum: 208 l

Drum: 208 l

Drum: 208 l

Drum: 50 kg • 208 l

Drum: 208 l

Canister: 10 l

Canister: 10 l

Canister: 10 l

The data given on this sheet are based on properties and application possibilities as known to us. Blaser Swissslube AG cannot be held liable for any damages resulting from the improper use of its products. No general legal liability can be derived from these data.

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