DOC NO	REV	ISSUED	CLASS
TDS-461	01	06/2026	Grease · Open gear · White

TECHNICAL DATA SHEET

JETTA ALU-PLEX OG 461 W Open Gear Grease

NLGI GRADE	BASE OIL	FZG LOAD STAGE	OPERATING RANGE
1	ISO VG 460	12 min.	–20 to 150 °C

DESCRIPTION

JETTA ALU-PLEX OG 461 W is a white, adhesive grease for priming and operating open gear drives. It is based on an ISO VG 460 mineral oil and an aluminium complex soap thickener, and is rich in white solid lubricants. The white film makes the tooth contact pattern easy to read and keeps the area around the drive cleaner than black gear compounds.

FEATURES & BENEFITS

Load Carrying and Adhesion

- High load-carrying capacity from solid lubricants and EP additives
- Strong adhesion to tooth flanks, including at low temperatures
- One product for priming, contrast checking and operation

Protection and Cleanliness

- Good corrosion protection, also in the presence of water and salt water
- White film shows the contact pattern clearly and marks the surroundings less

APPLICATION AREAS

Priming lubricant for girth gear and pinion drives before first start-up, and contrast lubricant for checking the load pattern on tooth flanks. Also suitable as an operating lubricant for open gears, slow-running rolling bearings, slideways and guide rails, and wire ropes on winches and cranes, including equipment exposed to water or salt water.

APPLICATION NOTES

Clean the tooth flanks before priming, then apply a thin, even coat by brush or spatula over the full flank width. For operation, relubricate by grease gun or central lubrication system. Do not mix with other greases.

PACKAGING & STORAGE

Store in the original sealed container in a dry, frost-free place away from direct sunlight. Shelf life is 36 months from the date of manufacture. Multiple pack sizes are available on request.

TYPICAL DATA

JETTA ALU-PLEX OG 461 W	
Appearance	**Homogeneous, adhesive**
Colour	**White**
Base oil	**Mineral oil**
NLGI	**1**
Thickener	**Aluminium complex**
Solid lubricants	**Rich in white solids**
Base oil viscosity grade (ISO 3448)	**ISO VG 460**
Worked Penetration (ISO 2137), 0.1 mm	**310 to 340**
Dropping point (ISO 2176)	**180 °C min.**
Density @ 20 °C	**approx. 1.07 g/cm³**
FZG scuffing test A/2.76 (ISO 14635), load stage	**12 min.**
Water resistance (DIN 51807-1), 3 h / 90 °C	**0 to 90**
Operating temperature	**–20 °C to 150 °C**
Shelf life	**36 months**

Typical values shown do not constitute a specification. The information is based on current knowledge and is intended to describe the product for possible applications; it does not release the user from performing preliminary tests.