



LP 461

LADLE COATING — HT-PASTE

Product Features

The synthetic base oil evaporates slowly leaving very little residue. The remaining solid lubricants ensure good dry lubrication. The solids are selected and matched for high temperature resistance and outstanding release properties, as well as very good lubricity at high temperatures.

- High pressure resistance
- Prevents seizure and scuffing
- No ingredients which need hazmat labelling

smartGLEIT LP 461 is a homogenous, grey, high temperature paste based on a synthetic base oil and high temperature solid lubricants with high graphite content.

Product Applications - Examples

smartGLEIT LP 461 was specially developed as high temperature paste.

Typical Applications:

- Ladle coating for Al-pressure die casting
- Lubrication of ejectors (in PDC-dies)
- Release agent in launders, furnace shut-off elements, etc.
- Lubrication of bolts, sliding guides or mechanical elements which are operated at elevated temperatures and low sliding speeds, which benefit from lubricants w/o drop point

Instruction for Use

- smartGLEIT LP 461 can be applied by brush or lint-free cloth apply a thin film in the preferably clean surface.
- When used as ladle coating, the layer should be flamed or cured with help of the radiation heat of the melt.





Typical Properties smartGLEIT LP 461

TEST/FEATURE	STANDARD/ PARAMETER	UNIT	LP 461
Colour	visually		grey
Base Oil			biodegradable synthetic oil
Oil Viscosity @ 40 °C/104 °F	DIN 51805	mm²/s	50
Density	DIN 51757	g/cm3	~1.2
Drop Point	DIN ISO 2176		none
Penetration	DIN 51804, Bl. 1	mm/10	270–310
NLGI Class	DIN 51818		1–2
Service Temperature		°C / °F	-15 to + 1200 / 5 to 2192
Usable Life (Closed Original Container - Bulk Ware)		months	36
Available Packaging		250 g 500 g 1 kg 5 / 25 kg 200 kg	plastic can; 12 per box cartridge plastic can, 6 per box plastic pail drum
Handling Instructions			see SDS

The information given and the recommendations made herein reflects our current knowledge and can only provide a first overview. The given values are not eligible for creating specifications. We reserve the right to make changes based on technical developments or changes in legislation. Due to the wide range of possible applications and operating conditions, the product information can only be indicative of possible applications. Therefore, no binding liability and warranty claims can be derived. In any case we strongly recommend to carry out tests before use and thus determine if the product is meeting all requirements and expectations.