



LP 461

LADLE COATING — HT-PASTE

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 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

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	mm ² /s	50
Density	DIN 51757	g/cm ³	~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