



ASSEMBLY PASTE FOR PRESSFIT PARTS

Description

Assembly Paste for Pressfit Parts is formulated to facilitate the assembly of press-fit components between dissimilar materials (headset assemblies, bearings, bottom brackets, thru-axles, and components subject to repeated disassembly). Its high content of PTFE solid lubricants (PFOA-free) leaves a permanent lubricating film during installation, providing high-pressure protection even after oil-thickener separation. Synthetic base oils combined with solid lubricants ensure high compatibility with rubber, elastomers, resins, metals, and painted surfaces. Its non-conductive nature reduces the risk of unwanted reactions between different types of metals.

Applications

- Bottom brackets.
- Bearing housings.
- Headset assemblies (cups, spacers, bearings).
- Suspension pivots and metal-rubber-plastic contact points.
- Wheel thru-axles and areas exposed to moisture.
- Guides and controlled friction points; repeated assembly/disassembly.

Color and texture

- Color: Matte green
- Texture: NLGI 2 grease, clean and highly adhesive.

Key benefits

- PTFE solid lubricant.
- Wide temperature range: -40 to 200 °C (peaks up to 250 °C).
- High compatibility with rubber, metals, and painted surfaces.
- High lubricity/adhesion and excellent load resistance.
- PFOA-free.

Risks / Precautions

- Standard precautions for lubricants.
- Do not mix with greases of a different nature.
- Keep the container closed to prevent contamination.

Physicochemical Characteristics

Property	Standard	Value
Color	-	Green
Thickener	ASTM D-128	Inorganic
Base oil	ASTM D-128	Synthetic
Solid lubricants	-	PTFE
NLGI Consistency	DIN 51818	2
Worked penetration 60W	ASTM D-217	280 (0,1 mm)
Worked penetration 105W	ASTM D-217	Max. +80 (0,1 mm)
Drop point	ASTM D-566	Min. 300°C
Four-ball apparatus – Weld load	IP-239	315 kgf
Four-ball apparatus – Wear 1 h / 40 kg	IP-239	0,5 mm
Oxidation stability 100 h / 100 °C	ASTM D-942	0,7 kg/cm ²
Water washout 1 h / 80 °C	ASTM D-1264	3%
Flow pressure at -30 °C	DIN 51805	600 mbar
Evaporation loss 22 h / 100 °C	ASTM D-972	1%
Operating temperature	-	-40 to 200°C (250°C)

The information contained in this document describes the product and suggests typical applications. The user must ensure the product is suitable for each specific application. The values indicated are typical values and may vary.