

Anti-Seize High-Tech Assembly Paste



Nonfood Compounds
Program Listed H1
Registration 141636

Metal-free | NSF registration

The assembly paste WEICON Anti Seize High-Tech is high-temperature-resistant, has excellent separating characteristics, is metal-free, neutral to materials and has an NSF registration.

It is particularly suitable when metal-containing pastes can cause electrolytic reactions, when nickel-containing products should or may not be used due to health reasons and when dark metal-containing products should or may not be used for visual reasons.

Characteristics

Base	Medicinal white oil	
Silicone-free	yes	
Colour	white	
Minimum shelf life	at room temperature	24 mon.

Physical properties

Density	(+20°C) DIN 51757	1,3 ± 0,1 g/cm ³
Cone penetration	DIN ISO 2137	310 - 340 1/10 mm

Thermal parameters

Temperature resistance	-60 °C to +1,400 °C	
Heat capacity	DIN EN ISO 22007-4	1,574 J/(g·K)
Thermal conductivity	0,675 W/m·K	
Temperature conductivity	0,302 mm ² /s	

Anti-Seize

Assembly Pastes

Mechanical properties after curing

Water resistance	DIN 51807	1 - 90
Salt spray test	DIN EN ISO 9227	> 170 h
Four ball weld test property load	DIN 51350	3.600 N
Four ball weld test weld load	DIN 51350	3.800 N
Four ball weld test calotte value	DIN 51350 (1min/1000N)	0,7 mm
Compressive strength	230 MPa	

Electrochemical parameters

Dielectric strength	DIN EN 60243-1 (20°C)	6,3 kV/mm
Resistance	DIN EN 62631-3-1	1,0 x 10 ¹⁵ Ω·cm
Sulphur content	DIN 51400	<0,1 %

Friction values

Friction values steel-blank (M10 10.9)		
Total friction coefficient	0,11 (min. 0,10)	
Friction coefficients threads	0,12 (min. 0,10)	
Friction coefficient head	0,10 (min. 0,09)	
Friction value V4A (M10 A4 70)		
Total friction coefficient	0,15 (min. 0,14)	
Friction coefficients threads	0,15 (min. 0,13)	
Friction coefficient head	0,15 (min. 0,14)	
Friction value steel electro-galvanized (M10 10.9)		
Total friction coefficient	0,08 (min. 0,07)	
Friction coefficient threads	0,09 (min. 0,08)	
Friction coefficient head	0,07 (min. 0,06)	

Approvals / Guidelines

NSF	H1 (FDA 21 CFR)
ISSA Code	53.402.81/82/83/84/85/86/87/88/89
IMPA Code	450882/83/84/85/86/87

Instructions for use

When using WEICON products, the physical, safety-related, toxicological and ecological data and regulations in our EC safety data sheets (www.weicon.com) must be observed.

Surface Pre-Treatment

First clean the surface to be lubricated with WEICON Cleaner S, depending on the degree of soiling. If screws have already been used, process with the wire brush and clean with WEICON Cleaner S.

Application

Clean and degrease surfaces with WEICON Cleaner Spray S. Apply a good quantity of assembly paste with a brush, cloth or sponge. On threads it is important that assembly paste is applied down to the thread root and up to the bottom of the screw head to ensure a good sealing effect. Assembly paste must not be mixed with greases or oils to avoid changes in the material characteristics. Assembly paste does not replace oil or grease lubrication.

Storage

Keep tightly closed in original packaging. Protect from direct sunlight. The storage temperature must not exceed +50 °C.

Note

The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

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Anti-Seize Assembly Pastes

Keep container in a cool, well-ventilated place. Store in a dry place.

Available sizes

- 10000193 Anti-Seize High-Tech Assembly Paste, 120 g, white
- 10000195 Anti-Seize High-Tech Assembly Paste, 0,4 kg, white
- 10000196 Anti-Seize High-Tech Assembly Paste, 0,45 kg, white
- 10000197 Anti-Seize High-Tech Assembly Paste, 1 kg, white
- 10000199 Anti-Seize High-Tech Assembly Paste, 1,8 kg, white
- 10000202 Anti-Seize High-Tech Assembly Paste, 5 kg, white
- 10000204 Anti-Seize High-Tech Assembly Paste, 10 kg, white
- 10000205 Anti-Seize High-Tech Assembly Paste, 20 kg, white
- 10015179 Anti-Seize High-Tech Assembly Paste, 30 g, white
- 10030351 Anti-Seize High-Tech Assembly Paste, 0,5 kg, white
- 10031277 Anti-Seize High-Tech Assembly Paste, 5 g, white
- 10047469 Anti-Seize High-Tech Assembly Paste, 85 g, white

Conversion table

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$	$\text{Nm} \times 8.851 = \text{lb}\cdot\text{in}$
$\text{mm}/25.4 = \text{inch}$	$\text{Nm} \times 0.738 = \text{lb}\cdot\text{ft}$
$\mu\text{m}/25.4 = \text{mil}$	$\text{Nm} \times 141.62 = \text{oz}\cdot\text{in}$
$\text{N} \times 0.225 = \text{lb}$	$\text{mPa}\cdot\text{s} = \text{cP}$
$\text{N}/\text{mm}^2 \times 145 = \text{psi}$	$\text{N}/\text{cm} \times 0.571 = \text{lb}/\text{in}$
$\text{MPa} \times 145 = \text{psi}$	$\text{kV}/\text{mm} \times 25.4 = \text{V}/\text{mil}$

To the product detail page:



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