



JETEXINDIA

JETEX GMP-50 PASTE

Technical Data Sheet

Solid lubricant paste for effective running in, assembly, press fitting and anti seize applications

Benefits

- Extremely wide service temperature range of -25°C to +450°C (up to +630°C in areas with restricted air access)
- Low coefficient of friction
- High pressure withstanding capacity
- Load bearing capacity exceeds the yield point of most metals
- Offers protection from wear and friction
- Eliminates metal-to-metal contact
- Prevents seizure, scoring, galling, fretting corrosion and stick slip
- Makes disassembly easier and non-destructive irrespective of operational period or conditions
- Economical to use owing to its high surface coverage capacity
- Aids running in and provides emergency lubrication during start ups
- Prevents cold welding and stick slip
- Good affinity for metal surfaces

Available Packaging

- 500 g (brushtop)
- 1 kg
- 5 kg

Shelf Life

24 months from date of manufacture in sealed condition.

Applications

- As a running-in, metal priming paste for all new or rebuilt mechanical equipment such as journal bearings, gear boxes, splines.
- As a press-fitting lubricant to reduce press-fitting power required and prevent misalignment, seizure, wear, distortion especially under heavy load conditions.
- For lubrication of all sliding metal surfaces to reduce wear, friction and prevent cold-welding of surfaces such as for shafts, bushes, splines shafts, pumps, valves, threaded spindles, toothed gears, worm gears and transmission gears, lead screws, machine tool guides, pumps, flanges, anti friction bearings.
- As a metal working lubricant to prevent galling, seizure, welding and metal pick up on tools and dies in deep drawing, machining, punching, stamping, thread rolling, cold heading, waging and forging.
- As a universal assembly paste to reduce tightening torque required; for enabling easy and non-destructive disassembly of components after long operational hours under operating and temperature variations.
- As an antifriction and anti wear lubricant for heavily loaded surfaces under slow sliding speeds for preventing cold welding of sliding surfaces under heavy loads.
- As a standard anti seize compound for all threaded connections during assembly stage for maintenance free dismantling.

Method of Application

Clean the sliding surfaces and friction points. Apply this paste with a brush or cloth and rub intensively on the metal surface to form a thin uniform film. Do not use in excess as is customary with greases. Do not mix with other oils or grease.

JETEX INDUSTRIES

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Technical Properties

Parameter	Value	Unit	Standard
Type	Solid lubricants and additives in oil		
Appearance	Smooth homogeneous paste		
Color ¹	Grey - black		
Penetration - unworked	280-310	mm/10	ASTM 217
NLGI class	1- 2		DIN 51 818
Density, @ 25°C	1.3-1.5	g/cm ³	
Drop point	None	°C	ASTM D 566
Service temperatures ²	-25 to +450	°C	
Coverage	40	m ² /kg	
Coefficient of friction, press-fit test	0.10, no scatter 2800	μ	
Four ball test, weld load	0.75	N	DIN 51 350 pt. 4
Four ball test, wear scar, 800N load	1a	mm	DIN 51 350 pt. 5
Copper strip corrosion, 2h (100°C)		Pass	

1. Minor Color variation of the same product but of different batches could be possible. However the lubrication values remain unchanged.

2. In areas with restricted to air, the solid lubricants will maintain lubrication up to +630°C