

## FORCE GREASE HT-977

### DESCRIPTION

FORCE GREASE HT-977 is a multifunctional high temperature grease formulated with a high dropping point lithium complex soap system and specially developed synergistic additives for lubrication up to 160°C under normal to heavy loads. The complex soap incorporated in the greases enables it to retain its structure even at high temperatures and high loads, thereby reducing leakage and enhancing component life extension of lubrication intervals. FORCE GREASE HT-977 has excellent shear stability and good surface adhesion. It is non-ageing and is highly resistant to cold and hot water, heat, dust, corrosion and oxidation.

### GENERAL CHARACTERISTIC

- Good resistance to heat (to avoid excessive softening or hardening).
- Very high dropping point.
- Good oxidation stability.

### APPLICATION

FORCE GREASE HT-977 is suitable for lubrication of all types of industrial bearings operating under higher than ambient temperature conditions under heavy loads. It is particularly beneficial in high temperature application where use of conventional greases calls for frequent relubrication. Typical applications include kiln car rollers, hot air fan bearings, electric motor bearings and clutch release bearings in the metallurgical, ceramic, cement and electrical industry. Due to superior load bearing capacity, low coefficient of friction, excellent anti wear properties and better structural stability, FORCE GREASE HT-977 shows considerably better performance as compared to conventional and non soap greases for high temperature applications.

### TYPICAL RESULT

Characteristics	Method	Result	
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Texture	Visual	Smooth & Homogenous	
Type of thickener	-	Lithium Complex	
Worked penetration 60 stokes @ 25°C, 1/10 mm	ASTM D-217	265 - 295	220 - 250
Dropping Point, Deg C	ASTM D-2265	Min. 290	
Four ball weld load, kgs	IP 239	Min. 300	
Four ball scar diameter, mm	ASTM D-2266	Max. 0.9	