

DAMPING GREASES

COMPOSITION

Damping greases are composed of synthetic oils and solid lubricants.

FEATURES

Damping grease are generally stiff, tacky, non-drying and non-evaporating, highly viscous gels, which are designed to damp free motion of the component to which it is applied.

DESCRIPTION

Ordinary lubricants have the property of reducing friction between the surfaces on which it is applied, where as damping grease lubricants create more friction and make motion more smooth and restricted. This smooth yet restricted or damped motion is free from play and produces a hydraulic feel. Damping greases are designed for assemblies where a fine adjustment or slow motion is produced by hand, where free motion is required to damped, and where sealing is required, but not for moving machinery in the ordinary sense.

TECHNICAL SPECIFICATIONS

Parameters	ISOL DG 80	ISOL DG 86	ISOL DG 90	ISOL DG 92	ISOL DG 93
Colour	Light straw	Light straw	Light straw	Light straw	Light straw
Serviceable temp.°C	-10°C to 180°C	-10°C to 180°C	-10°C to 180°C	-10°C to 180°C	-10°C to 180°C
Penetration, Un worked as per IS 1448	185 to 190	390 to 395	190 to 195	165 to 170	150 to 155
Weight Loss%, (150C/2hrs)	None	None	None	None	None
Drop point,°C	None	None	None	None	None
Melting Point °C/ Softness at 140°C	Softening	Softening	Softening	Softening	Softening

APPLICATIONS

Due to this unique property, damping greases find application in the assembly of potentiometer, rotary switches, tape recorders soft ejection assemblies, variable condensers, deflector coils, plastic gears and other electronics and automotive components where damping of free motion is required. It gives a smooth and easy motion to oculars, focusing and adjusting on screws and plane contracts. Other applications include optical equipment, binoculars, radio, tape recorders, television, telescopes, microscopes, camera, range finders, surveying and measuring instruments, trimmers, electronic toys, automobile fittings, hinges and builders hardware, sanitary fittings, and appliances, etc.

SHELF LIFE

These greases do not exhibit any significant changes in properties if stored properly in original packs for over two years. Slight hardening of some grades is considered normal and is reversible by agitation. However, warranty claims, in case of manufacturing defects is limited to one year from date of manufacturing.

The information herein is believed to be reliable, but it is the user's responsibility to determine suitability of use, since we cannot know conditions of use. We make no warranties and assume no liability concerning use of the information. Nothing herein should be taken as inducement to infringe any patent.