Petroleum products

Lithium grease MP 3

NLGI consistency and ASTM worked penetration

MP 3



Material illustration

Technical characteristics

Multipurpose lithium grease, NLGI 3, for routine maintenance. The thickener retains base oil near the contact and consistency influences delivery.

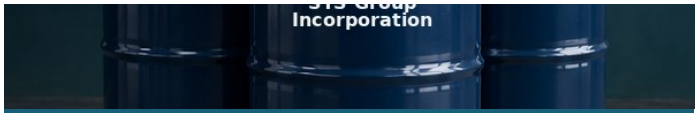
Property	Reference value	Method or source
Consistency grade	**NLGI 3**	NLGI
Worked penetration at 25 °C	**220–250 × 0.1 mm**	ASTM D217
Sample working	**60 double strokes**	ASTM D217

NLGI 3 corresponds to worked penetration of 220–250 in 0.1 mm units at 25 °C after 60 double strokes (ASTM D217). Base oil viscosity, water resistance and bearing operating temperature also affect selection.



Applications

For normal-duty bearings and chassis points where multipurpose lithium grease is specified. Thickener compatibility matters when changing grease.



Packaging and receipt

Cartridges suit manual grease guns, while pails and drums can feed pumps. Match consistency to the pump and line length, particularly in cold conditions.

For acceptance, check the agreed specification and the certificate of analysis (COA) for the delivered lot.