MOL Chemresist 2 chemicals resistant lubricating grease



MOL Chemresist 2 is a chemical resistant lubricating grease produced from synthetic base oil and an aluminium complex thickener. Its structure is stable and resistant to chemicals, so it can be used in alkaline, acidic and solvent environments. Experience indicates that it is resistant to the following acids, alkalis and solvents: 20 % m/m H2O2, 40 % m/m NaOH, 10 % m/m HCI, 25 % m/m maleic acid, acetone, gas oil. It has partial resistance to: 96 % m/m H2SO4, Xilene, petrol. It is a moderately soft, greyish white coloured lubricating grease. The temperature range of application is between -40 °C and +180 °C.

Application

	Equipment operating in agressive environment	
	Equipment exposed to dynamic water loads	
	Medium-duty sliding and rolling bearings	
	Maintenance material for brake master cylinders	
	Individual lubrication systems	
Features and benefits		
Excellent resistance to chemicals	No softening in alkaline or acidic environment, no running off the lubrication point Appropriate lubricating and sealing effect in hydrocarbon pipeline fixtures	
Good dynamic water resistance	Reliable lubrication, even under load in the presence of water, so no runing off the lubrication point	
Excellent tackiness	Forms a stable and uniform lubricating film, which is not squeezed from between contacting surfaces even under heavy loads Reduced losses due to leakage and reduced environmental pollution	
Improved wear protection	Wear of contacting surfaces is significantly reduced	
Excellent mechanical and storage stability	Retains stable structure under load, so no softening of lubricating grease and no running off the lubrication point Lubricating grease can be stored for long a period without oil separation, hardening or softening	
Exceptional thermal and oxidation stability	No hardening of lubricating grease at high temperatures and minimum oil separation Cycle time of re-lubrication can be increased significantly	
Good sealing properties	Effectively protects against contaminant ingress and consequent surface damage Reduced risk of damage due to contaminated grease, giving a longer lubricant service life	
Resistant to vibration	Lubricating grease structure remains stable; grease does not soften or run off the greasing point	
Good corrosion protection	Long-term protection of steel and non-ferrous metal parts even in the presence of moisture	

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Specifications and approvals

NLGI grade: NLGI 2	
DIN 51502: KHC2R-40	
ISO 6743-9: L-XDFFA 2	

Properties

Properties	Typical values
Appearance	greyish white, homogeneous
Base oil viscosity at 40 °C [mm2/s]	700
Dropping point [°C]	260
Penetration after 60 strokes at 25 °C [0,1 mm]	280
Oxidation stability at 100 h / 100 °C pressure drop [kPa]	10
Corrosion at 100 °C/ 24 h (steel)	pass
Copper corrosion (100 °C, 24 h) [grade]	1 b
EMCOR test, distilled water [grade]	1
Dynamic water - resistance at 79 °C [mass %]	1,0
Static water resistance at 90 °C [grade]	1-90
Oil separation [mass %]	0,5

The characteristics in table are typical values of the product and do not constitute a specification.

Storage and handling instructions

The product does not contain any toxic materials. During storage and handling the product usual health safety regulations for mineral oil products should be observed. It should be stored at covered place, free of direct sunlight and moisture.

In the original container under the recommended storage conditions: 24 months Recommended storage temperature: -5°C - +45°C

Ordering information

Custom Tariff Number 34031980

SAP code and packaging: 13006069 MOL Chemresist 2 8KG

8 kg steel pail (for order only)

Order booking:

Please contact your local distributor or sales partner for ordering details.