



# MULTIS COMPLEX S2 A

## DESCRIPTION

Semi-synthetic multi-purpose Extreme Pressure high temperature Lithium Complex grease.

## APPLICATIONS

**MULTIS COMPLEX S2 A** is a semi-synthetic lithium complex grease designed for the lubrication various applications in all types of operating conditions, but particularly where the operation temperature is high and the use of conventional lithium greases is limited.

**MULTIS COMPLEX S2 A** is a true multipurpose grease, formulated for lubrication of loaded slide-, ball-, and roller-bearings, wheelbearings, universal joints, chassis, and various shock loaded or vibrating applications in transport, agriculture and off road vehicles.

Suitable as general purpose grease for industrial applications requiring a NLGI 2 grade Extreme Pressure grease, resistant to elevated and low temperatures.

## SPECIFICATIONS

ISO 6743-9: L-XCEHB 2

DIN 51502: KP2P- 30

## ADVANTAGES

Thanks to its sophisticated formulation **MULTIS COMPLEX S2 A** meets a wide variety of requirements. Its range of applications is extensive, allowing stock rationalization and simplification of maintenance.

Fulfills the requirements of most automotive Original Equipment Manufacturers. Forms a lubricating film which is durable, and resistant to humidity, temperature variations and pollution, and hence reduces maintenance and costs. Miscible with most other conventional soap greases.

**MULTIS COMPLEX S2 A** does not contain lead, or other heavy metals considered harmful to human health and the environment.

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. is obtainable via your commercial adviser [www.quick-fds.com](http://www.quick-fds.com).

TotalEnergies Lubricants

SA 552 006 454 RCS Nanterre - France

## RECOMMENDATIONS

Take precautions in case of use in a centralized lubricating system.

Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system or cartridges.

## TYPICAL CHARACTERISTICS

TYPICAL CHARACTERISTICS	METHODS	UNITS	MULTIS COMPLEX S2 A
Soap/thickener		-	Lithium complex
NLGI grade	ASTM D 217/DIN 51 818	-	2
Color	Visual	-	Blue
Appearance	Visual	-	Smooth
Operating temperature range		°C	- 30 to 160
Penetration at 25°C	ASTM D 217/DIN51 818	0.1 mm	265-295
Four ball weld load	DIN 51 350-4	daN	280-300
Anti-rust performance SKF- EMCOR	DIN 51 802/IP220/NFT 60-135/ISO 11007	rating	0-0
Dropping point	IP 396/DIN ISO 2176	°C	> 250
Kinematic viscosity of the base oil at 40°C	ASTM D 445/DIN 51 562-1/ISO 3104/IP71	mm <sup>2</sup> /s (cSt)	120

Above characteristics are mean values given as an information.