



PRODUCT TECHNICAL DATASHEET

PREMIUM PAG 46

ERRECOM | Supplied by Raj Tech

Product enquiries, availability and bulk orders

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Raj Tech

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Opposite Bolten Market Post Office

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Original manufacturer technical pages follow.

Specifications and manufacturer attribution are preserved.

PREMIUM PAG 46

A/C Compressor Oil



Description

ERRECOM's Premium PAG 46 synthetic oil consists of a blend of water-insoluble polyalkylene glycols. Formulated with the best-performing additives for automotive applications, Premium PAG 46 guarantees the highest level of compressor lubrication. The Double End Capping technology also results in a PAG oil that is more stable and less exposed to chemical/physical degradation during its service life and optimal miscibility with the refrigerant gases normally used in vehicle A/C systems.

Field of Application

Automotive

Features - Pluses

Features	Pluses
Double-end PAG technology with optimised miscibility in R12, R134a, R1234yf	Maximisation of oil return to the compressor ensuring maximum system efficiency
Outstanding EP performance, mainly derived from the space-filling model of the fluid	Excellent hydrodynamic and lubricating properties, minimising wear levels
Lower water absorption compared to classic PAGs	Excellent hydrodynamic and lubricating properties; low wear
Excellent thermal, chemical and hydrolytic stability	Improve system reliability and lifespan

Instructions

Recommended operating temperature: 20-25°C.
Viscosity increases as temperature decreases.

Physical and Chemical Properties

Physical Quantity (Unit of Measurement)	Analytical Reference Method	PREMIUM PAG 46
ISO VG	/	46
Kinematic Viscosity at 40°C (cSt)	ASTM-D445	46
Kinematic Viscosity at 100°C (cSt)	ASTM-D445	8,6
Viscosity Index	ASTM-D2270	184
Pour Point (°C)	ASTM-D97	-43
Flash Point (°C)	ASTM-D93	226
Density at 15°C (g/cm³)	ASTM-D1298	0,999
Moisture Level (ppm)	ASTM-D6304	300
Total Acid (mg KOH/g)	ASTM-D974	0,05

Refrigerant Gas Compatibility

Premium PAG 46 is compatible with the following refrigerant gases: R12, R134a, R1234yf.

Product Compliance

Premium PAG 46 complies with the following FDA 21 CFR sections and, therefore, can be used in different applications where there may be a risk of accidental contact with food:



Indirect Food Additives: Adhesives and components of coatings
Subpart B Substances for use only as components of adhesives
175.105 – Adhesives

Indirect Food Additives: Paper and paperboard components
Subpart B Substances for use only as components of paper & paperboard
176.180 – Components of paper and paperboard in contact with dry food
176.200 – Defoaming agents used in coatings
176.210 – Defoaming agents used in the manufacture of paper and paperboard

Indirect Food Additives: Polymers
Subpart B Substances for use as basis components of single and repeated use food contact surfaces
177.1200 – Cellophane
177.1210 – Closures for sealing gaskets for food containers

Indirect Food Additives: Adjuvants, production aids and sanitizers
Subpart D Certain adjuvants and production aids
178.3120 – Animal glue
178.3910 – Surface lubricants used in the manufacture of metallic articles

Premium PAG 46 also complies with the following requirements:



Halal
(according to the Islamic Law)



Kosher

Copies of Halal and Kosher certificates are available on request.

Categorisation and Labelling

This technical specification is only applicable when it comes with the current Safety Data Sheet.
In accordance with legal requirements, only the Safety Data Sheet contains current safety information.

Safety Instructions

Keep the container tightly closed.
Keep away from heat, hot surfaces, sparks, open flames or other ignition sources.
Read the label and the MSDS before use. The MSDS is available on request.

Chemical substance inventory

Premium PAG 46 is recorded in the following chemical inventories:

REACH	TSCA	DLS	ENCS	KECL	IECSC	ENCS	PICCS	AICS	NZIOC
EU	USA	Canada	Japan	Korea	China	Japan	Philippines	Australia	New Zealand

Storage Instructions

Store below 20°C.
Keep away from open flame or heat, or direct sunlight.
Store in a dry and cool place.
Never expose to temperatures above 50°C.

Transport Conditions

This product is not regulated for transport according to ADR/RID, IMDG, ICAO/IATA.

Packaging

Art.-Nr.	Qtà.			Packaging
OL6001.Q.P2	250 mL	24	2880	Plastic Tank
OL6001.M.P2	500 mL	12	1080	
OL6001.K.P2	1 L	12	756	
OL6001.UP.P2	1 Gal	02	196	
OL6001.I.P2	4 L	02	196	
OL6001.P.P2	5 L	02	140	
OL6001.K.01	1 L	12	768	Metal Tank
OL6001.P.01	5 L	02	190	
OL6001.UV	5 Gal	01	24	
OL6001.V	20 L	01	24	
OL6001.T	25 L	01	24	IBC
OL6001.B	200 L	01	02	
OL6001.IBC	1000 L	01	01	



Special Bag System

Special Bag System is a packaging system specially designed to prevent chemical additives and compressor oils used in A/C systems from getting in contact with moisture in the air. UV leak detector dyes and compressor oils are packed in moisture-free laminated bags. Simply replace the connections for the additive bottles available on any A/C charging unit with the special plastic fittings designed by Errecom.

Benefits:

- Quick and easy tank filling.
- Costs as much as additives in a standard pack.
- Easy to use.
- Can be installed on all A/C charging units.
- Allows quick, easy, and clean installation.
- Prevents moisture and particles from contaminating additives, oils and charging units.

Art.-Nr.	Description		
OL6001.SH	150 mL Special Bag (PREMIUM PAG 46)	25	1400
OL6001.S	500 mL Special Bag (PREMIUM PAG 46)	10	560
OL6006.SH	150 mL Special Bag (PREMIUM PAG 46 + UV DYE)	25	1400
OL6006.S	500 mL Special Bag (PREMIUM PAG 46 + UV DYE)	25	1400



Shelf life

5 years (from the production date).

After this period, the product may still be used subject to successful checks on the performance requirements.