

Get to know us

Discover how we can help you achieve your goals
with our top-quality products and services

DOAH

Specialist in Anti Friction Coating

"We develop customized lubricating coating products in cooperation with our customers and provide comprehensive support from A to Z to ensure your successful application."

About DOAH

Moving toward our vision of putting customer value first

As a company specializing in lubricating coatings (AFC, Anti Friction Coating) to ensure long-term lubricating performance of parts, we are continuously investing in product innovation to meet increasingly sophisticated technological developments and rapidly changing customer requirements.

Panoramic view



Inside view



Our major products

We have a portfolio of lubricating coatings to reduce friction of parts made of various materials such as metal, plastic, and rubber. Based on lubricating coating technology and know-how, we design an optimized coating solution that allows permanent lubrication by considering all environmental factors, such as the materials of the application area and driving type.

Category	Application	Product name
Coating	Automotive air conditioner & industrial compressor piston	DOAH COAT P 1 DOAH COAT P 1 K
	Mechanical engineering such as swash plate	DOAH COAT S 1
	The vehicle interior part where the noise occurs such as sun visor	DOAH S-DRY 1
Oil	Industrial cutting oil	DOAH OIL C 1

Explore more - homepage



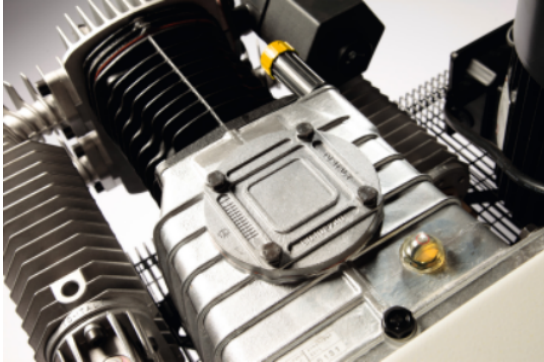
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DOAH COAT P 1

Lubricating coating agent for piston

Fluorinated resin based lubricating coating agent that can improve wear and load resistance of automotive air conditioning system



Performance features

- Productivity increase due to excellent metal adhesion
- Extend the life of parts due to excellent wear resistance
- Good load resistance ensures consistent quality and lifetime lubrication

DOAH COAT P 1 is a lubricating coating agent specifically designed for piston of automotive air conditioning system and can be applied to precision engineering and automotive engineering. Curing conditions may vary depending on the actual working environment, but typical curing schedule at objective temperature is 30 minutes at 90°C, 30 minutes at 150°C, 45 minutes at 200°C and 45 minutes at 230 °C. For the convenience of manufacturing process operation, it is possible to classify the product by its appearance(DOAH COAT P 1 K with greenish brown color). It can be compatible with R134A refrigerant and PAG based oil. The minimum shelf life is approx. 4 months if the product is stored in the original closed container in a dry place.

Specification	Unit	Test methods	Test results
Component	-	-	PTFE + Organic binder
Appearance	-	-	Black
Package	-	-	5kg Can
Volume of non-volatile matter (1g/230°C/90min)	%	KS M ISO 3251	34 ± 3
Brookfield viscosity (Spindle No. S64/20rpm/25°C)	cP	ASTM D 2196	25000 ± 4000
Cross cut	grade	ASTM D 3359	3 B
Pencil hardness (Load: 1.4kg/Speed: 350mm/min)	grade	KS M ISO 15184	4 H

Note: The above data constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application

DOAH COAT P 1 K

Lubricating coating agent for piston

Fluorinated resin based lubricating coating agent that can improve wear and load resistance of automotive air conditioning system



Performance features

- Productivity increasion due to excellent metal adhesion
- Extend the life of parts due to excellent wear resistance
- Good load resistance ensures consistent quality and lifetime lubrication

DOAH COAT P 1 is a lubricating coating agent specifically designed for piston of automotive air conditioning system and can be applied to precision engineering and automotive engineering. Curing conditions may vary depending on the actual working environment, but typical curing schedule at objective temperature is 30 minutes at 90°C, 30 minutes at 150°C, 45 minutes at 200°C and 45 minutes at 230 °C. For the convenience of manufacturing process operation, it is possible to classify the product by its appearance(DOAH COAT P 1 with black color). It can be compatible with R134A refrigerant and PAG based oil. The minimum shelf life is approx. 4 months if the product is stored in the original closed container in a dry place.

Specification	Unit	Test methods	Test results
Component	-	-	PTFE + Organic binder
Appearance	-	-	Greenish brown
Package	-	-	5kg Can
Volume of non-volatile matter (1g/230°C/90min)	%	KS M ISO 3251	34 ± 3
Brookfield viscosity (Spindle No. S64/20rpm/25°C)	cP	ASTM D 2196	25000 ± 4000
Cross cut	grade	ASTM D 3359	3 B
Pencil hardness (Load: 1.4kg/Speed: 350mm/min)	grade	KS M ISO 15184	4 H

Note: The above data constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application

DOAH COAT S 1

Excellent wear resistant coating agent under high load

PTFE based coating agent with excellent adhesion to metal/metal combination part



Performance features

- Excellent wear resistance to extend the life of applied part
- High load-carrying capacity maintains lubrication performance
- Ensure long endurance life after heat curing coating process

DOAH COAT S 1 is a heat curing dry film lubricant specifically designed to prevent wear even under high load for precision engineering and automotive engineering such as automotive air conditioner swash plate. It can be applied to metal/metal combinations at medium to high loads and used on alloy and aluminum parts as well. Curing conditions may vary depending on the actual working environment, but typical curing schedule at objective temperature is 30 minutes at 90°C and 90 minutes at 230 °C. The minimum shelf life is approx. 6 months if the product is stored in the original closed container in a dry place. It is formulated for application by spray and stirring is required before use.

Specification	Unit	Test methods	Test results
Component	-	-	PTFE + Organic binder
Appearance	-	-	Black
Package	-	-	1kg, 5kg Can
Volume of non-volatile matter (1g/230°C/90min)	%	KS M ISO 3251	33 ± 2
Brookfield viscosity (Spindle No. S62/30rpm/25°C)	cP	ASTM D 2196	500 ± 100
Cross cut	grade	ASTM D 3359	4 B
Pencil hardness (Load: 1.4kg/Speed: 350mm/min)	grade	KS M ISO 15184	5 H

Note: The above data constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application

DOAH S-DRY 1

Fluorocarbon semi-dry coating lubricant

It is composed of fluorocarbon solvent, resin and oil to prevent the squeak noise and foam thin lubrication film



Performance features

- Excellent lubricity on the part of rubber and plastic part
- Prevent the stick-slip and noise due to stable lubrication film
- Compatible with most materials such as rubber and plastic

DOAH S-DRY 1 is a semi-dry coating lubricant specifically designed to prevent the stick-slip and noise for automotive interior parts such as sun-visor, arm-rest, console cover, radiator grill, stop lamp, switch and door trim etc. It can be applied to precision driving part in electrical and electronic industry and various precision instruments with plastic/rubber and metal/plastic friction part requiring noise prevention.

The minimum shelf life is approx. 36 months if the product is stored in the original closed container in a dry place. It is composed of solvent and lubricant and precipitation can happen due to specific gravity difference of lubricant's ingredient so it has to shake enough and disperse active ingredient before using in order that only solvent is not applied.

Specification	Unit	Test methods	Test results
Component	-	-	Fluorocarbon solvent + resin + oil
Appearance	-	-	Milky white
Package	-	-	1kg Can
Service temperature	-	-	-65°C ~ 170°C
Specific gravity	g/cm ³	KS M 2002	1.70
Evaporation residue (80°C/6h)	wt%	-	5
Flash point	°C	KS M ISO 2592	Non-flammable

Note: The above data constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application

The logo for DOAH, consisting of the letters 'DOAH' in a bold, green, sans-serif font.

DOAH

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