

Смазочные материалы, герметики CARL ROTH

Технические характеристики

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Киргизия (996)312-96-26-47



Lubricants and sealants

Vacuum grease APIEZON®

M+I Materials.

Excellent lubricating and gettering properties and extremely low steam pressures.

- Chemically inert
- Silicone-free
- Non-toxic
- Temperature stable
- Usable for 10 years



Technical specifications:

Art. No.	C986.1	C987.1	1686.1	1682.1	1683.1	1684.1	1685.1
Type	APIEZON® AP 100	APIEZON® AP 101	APIEZON® H	APIEZON® L	APIEZON® M	APIEZON® N	APIEZON® T
Melting point	+47 °C	> +200 °C	> +250 °C	+47 °C	+44 °C	+43 °C	+125 °C
Application temperature from	+10 °C	-40 °C	-10 °C	+10 °C		-269 °C	+10 °C
Application temperature up to	+30 °C	+180 °C	+240 °C	+30 °C			+120 °C
Steam pressure	7 x 10 ⁻¹¹ torr	<1 x 10 ⁻⁵ torr	1,7 x 10 ⁻⁹ torr	7 x 10 ⁻¹¹ torr	1,7 x 10 ⁻⁹ torr	6 x 10 ⁻¹⁰ torr	4,6 x 10 ⁻⁹ torr

APIEZON® AP 100

Suitable for high vacuums, resistant to acids, bases and corrosive gases. Effectively prevents ground glass joints and polished glass connections seizing.

Type	Packaging type	Art. No.	Pack Qty.
APIEZON® AP 100	Tube	C986.1	50 g

APIEZON® AP 101

High-performance lubricant for a wide temperature range. For medium vacuum.

Type	Packaging type	Art. No.	Pack Qty.
APIEZON® AP 101	Tube	C987.1	50 g

APIEZON® H

Versatile grease for very high temperatures. Rather than melting at high temperatures, becomes firmer at temperatures above 40 °C.

Type	Packaging type	Art. No.	Pack Qty.
APIEZON® H	Tube	1686.1	25 g

APIEZON® L

Additive-free special grease for high vacuums with high absorption capacity for other hydrocarbons. High resistance to radiation. Also suitable for use as a stationary phase in gas chromatography. Halogen-free.

Type	Packaging type	Art. No.	Pack Qty.
APIEZON® L	Tube	1682.1	50 g

APIEZON® M

All-purpose lubricant, similar to L, but with a higher wax content. Halogen-free.

Type	Packaging type	Art. No.	Pack Qty.
APIEZON® M	Tube	1683.1	100 g

APIEZON® N

High-vacuum lubricant for cryogenic applications with consistency-improving additive, making it tougher. Halogen-free.

Type	Packaging type	Art. No.	Pack Qty.
APIEZON® N	Tube	1684.1	25 g

APIEZON® T

All-purpose lubricant. For medium vacuum. Halogen-free.

Type	Packaging type	Art. No.	Pack Qty.
APIEZON® T	Tube	1685.1	25 g

Lubricants and sealants

Waxes and sealing agent APIEZON®

M+I Materials.

APIEZON® waxes W, W 40, W 100

Provide lasting, high-vacuum sealing, excellent gettering properties and low vapour pressures. Resistant to acids such as hydrofluoric acid, nitric acid and acetic acid. Can be removed with hydrocarbons and chlorinated hydrocarbons.

APIEZON® Q compound

For sealing joints and filling cracks. Especially suitable for vacuum technology when extremely low vapour pressures are not required. Waterproof.



Technical specifications:

Art. No.	AL06.1	AL06.2	AL07.1	AL08.1	AL09.1
Type	APIEZON® W		APIEZON® W 40	APIEZON® W 100	APIEZON® Q compound
Melting point	80–90 °C		40–50 °C	50–60 °C	40–50 °C
Application temperature from	-10 °C				
Application temperature up to	+75 °C		+35 °C	+45 °C	+30 °C
Steam pressure	4,5 x 10 ⁻⁸ torr		6 x 10 ⁻⁸ torr	4,5 x 10 ⁻⁸ torr	1 x 10 ⁻⁴ torr

APIEZON® W

Sealing agent for seams which can heat up during operation.

Type	Pack.	Art. No.	Pack Qty.
APIEZON® W	Block	AL06.1	1,000 g
APIEZON® W	Stick	AL06.2	20 g

APIEZON® W 40

Sealant can be poured into or around a joint.

Type	Packaging type	Art. No.	Pack Qty.
APIEZON® W 40	Can	AL07.1	250 g

APIEZON® W 100

The soft wax reduces the risk of cracking under vibrational stress.

Type	Packaging type	Art. No.	Pack Qty.
APIEZON® W 100	Can	AL08.1	250 g

APIEZON® Q compound

Versatile sealing agent for vacuum technology.

Type	Packaging type	Art. No.	Pack Qty.
APIEZON® Q compound	Can	AL09.1	1 kg



Lubricants and sealants



Special oil Ballistol®

Ballistol.

Pure, mildly alkaline special oil with cleaning, conserving, protecting, regenerating, impregnating, lubricating and disinfecting properties. Low surface tension, wets even the smallest cracks and gaps. Free from chlorinated hydrocarbons, environmentally friendly and biodegradable. Also suitable for use on wood and leather. Dermatologically tested and approved for parts coming into contact with product in the foodstuffs industry.

Technical specifications:

Art. No.	AA74.1	AA74.2	AA75.1
Type	Ballistol® oil		Ballistol®-spray

Ballistol® oil

Type	Packaging type	Art. No.	Pack Qty.	
Ballistol® oil	Bottle	AA74.1	50 ml	
Ballistol® oil	Bottle	AA74.2	500 ml	

Ballistol®-spray

Propellant: Propane/butane/hexane:

Danger H222-H229

Type	Packaging type	Art. No.	Pack Qty.	
Ballistol®-spray	Aerosol	AA75.1	200 ml	



PTFE spray Sprayflon

Saint-Gobain.

Multi-purpose PTFE lubricant, slip and release agent with extremely low friction coefficient. Resistant against water, oil and aggressive media. Anti-adhesive, dirt-repellent, prevents freezing and is temperature stable up to +260 °C. Free from grease and silicone. Propellant: Propane/butane.

Technical specifications:

Art. No.	K007.1
Type	Sprayflon

Danger H222-H229-H319

Type	Packaging type	Pack.	Art. No.	Pack Qty.	
Sprayflon	Aerosol	300 ml	K007.1	1 unit(s)	



Silicone spray KORASILON® release agent M

Silicone-based mould release agent for duromers and thermoplastic materials. With high, long-lasting release capacity. Its extremely thin spray film is easy to apply and provides improved lubricity, surface gloss and scratch resistance.

Heat resistant up to approx. 150 °C, leaves no residues on hot surfaces. Propellant: butane/pentane/propane/isobutane

Technical specifications:

Art. No.	0895.1
Type	KORASILON® release agent M

Danger H222-H229-H315-H336-H411

Type	Packaging type	Art. No.	Pack Qty.	
KORASILON® release agent M	Aerosol	0895.1	400 ml	



PTFE flat sealing tape

Material: PTFE.

Self-adhesive, for pipe connections and other surfaces. Soft, easily adaptable, smoothes out irregularities. Temperature range: -240 to +270 °C. Pressure range: up to 120 bar. Vacuum leakage rate for helium: 1.3×10^{-3} mbar/s at 20 N/m² Surface pressure. Width 3.0 mm, 1.5 mm thick.

Technical specifications:

Art. No.	0801.1
Type	PTFE flat sealing tape
Application temperature from	-240 °C
Application temperature up to	+270 °C

Type	Art. No.	Pack Qty.	
PTFE flat sealing tape	0801.1	2.5 m	

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