

AR555 PFPE Grease

Ingredients:

Base oil: PFPE Oil
Thickener: PTFE
Additive: Structure improver

Packaging:

1KG/Can, 15KG/Pail

Features:

- Excellent wear resistance, waterproof, acid and alkali resistant, low volatility;
- Stable chemical structure, capable of permanent lubrication and anti-wear
- Extremely wide operating temperature, excellent high temperature stability and oxidation stability;
- Extremely low friction coefficient, high load-bearing capacity, and well compatible with most rubber and plastics;
- Excellent water resistance, water resistance, oil resistance, vacuum resistance, resistance to most organic solvents and strong acids and bases.

Application:

- Widely used for bearings, pumps, valves, seals, and moving components in semiconductor and cleanroom equipment where low volatility, cleanliness, and long-term lubrication are required.
- Suitable for pumps, valves, O-rings, and sealing components exposed to aggressive chemicals, corrosive gases, halogens, and other harsh process media.
- Ideal for vacuum pumps, oxygen valves, and high-purity systems that require excellent chemical inertness, low outgassing, and reliable lubrication in oxygen-rich environments.
- Used for gears, bearings, guide rails, shafts, and other moving parts in precision machines, optical instruments, automotive components, and industrial equipment operating under high temperature or heavy load.
- Provides long-lasting lubrication and wear protection for injection molding machines, mold ejector pins, textile machinery, mining equipment, steel machinery, food processing equipment, and other demanding industrial applications.

Data:

Test item	AR555	Test method
Appearance	White Paste	Visual
Base oil viscosity 40℃	510	ASTM D445
Dropping point (℃)	NA	ASTM D2265
Penetration (25℃,0.1mm,0 time)	265-295	ASTM D217
NLGI	2	ASTM D217
Evaporation loss(99℃/22H)	<0.57	ASTM D972
Oil Separate Loss(100℃/30H)	<3	ASTM D6184
Copper corrosion(100℃,24H)	1b	ASTM D4048
Operating temperature(℃)	-40~300℃	--

How to use:

Use traditional methods, such as cleaning brushes, grease guns, manual or automatic dispensing equipment, make sure the surface of the lubricated parts is clean and dry, ensure grease injection process is clean.

Storage and Validity:

Stored at 40℃ (104°F) or below, shelf life is 36 months from the production date if unopened.

Limited Guarantee Information:

Based on our knowledge, the data on this document are true and accurate. However, as conditions and methods of use of our products are beyond our control, this information is not a substitute for customer tests to ensure that Morelic's products are safe, effective and fully adequate for a particular end use. The use suggestions provided by us shall not be deemed to be the cause of any infringement of patent rights. For more details, please email us: sales@morelic.com