



“阿佩佐”牌 真空油脂 “APIEZON” High Vacuum Grease

英国
England

| Grease Type 类型 | Property 特性 |
|-------------------------|--|
| Apiezon L Grease | 超高真空油脂, 不含硅及卤素 Ultra High Vacuum Grease, Silicone & Halogen Free |
| Apiezon M Grease | 高真空油脂, 不含硅及卤素 High Vacuum Grease, Silicone & Halogen Free |
| Apiezon N Grease | 低温高真空油脂, 不含硅及卤素 Cryogenic High Vacuum Grease, Silicone & Halogen Free |
| Apiezon T Grease | 中温度真空油脂, 不含硅 Medium Temperature Vacuum Grease, Silicone Free |
| Apiezon H Grease | 高温真空油脂, 不含硅 High Temperature Vacuum Grease, Silicone Free |
| Apiezon AP101 | 防黏真空油脂, 不含硅 Anti seize Vacuum Grease, Silicone Free |
| Apiezon AP100 | 超高真空润滑脂, 不含硅 Ultra High Vacuum Lubricating Grease, Silicone Free |



| Specification 规格 | | | | | | | |
|---|-----------------------|-----------------------|------------------------|-----------------------|-------------------------|-----------------------|---------------------------|
| Model 型号 | AP101 | AP100 | H Grease | L Grease | M Grease | N Grease | T Grease |
| 主要用途 Main Areas of Application | 一般 General Purpose | 润滑 Lubricating | 高温 High Temperature | 高真空度 High Vacuum | 一般真空度 General Vacuum | 低温 Cryogenic | 中温度 Medium Temperature |
| 工作温度范围 Working Temperature Range, °C | -40 to 180 | 10 to 30 | -10 to 240 | 10 to 30 | 10 to 30 | -269 to 30 | 10 to 120 |
| 熔点 Melting Point - ASTM.D 566-02, °C | >200 | 42 to 52 | does not melt | 42 to 52 | 40 to 48 | 42 to 52 | 112 to 137 |
| 蒸气压 Vapour Pressure, @ 20°C, Torr | $<1.0 \times 10^{-5}$ | 7.0×10^{-11} | 1.7×10^{-9} | 7.0×10^{-11} | 1.7×10^{-9} | 6.0×10^{-10} | 4.6×10^{-9} |
| 相对密度 Relative Density @20°C | 0.981 | 1.042 | 0.918 | 0.896 | 0.894 | 0.911 | 0.912 |
| 平均分子量 Average Molecular Weight | N/A | N/A | N/A | 1300 | 950 | N/A | N/A |
| 耐辐射 Radiation Resistant | * N/R | * N/R | * N/R | Yes | Yes | * N/R | * N/R |
| 润滑性四球试验 Lubricity 4 Ball Test - ASTM.D 2596(IP 239/97), kg | 450 | 450 | 250 | 150 | 140 | 150 | 250 |
| 放气特性 Outgassing characteristics - ASTM.E 595-93 (2003)e1 TML CVCMM | N/A N/A | <1% <0.1% | <1% <0.1% | <1% <0.1% | N/A N/A | <1% <0.1% | N/A N/A |
| 热膨胀系数 Coefficient of expansion per °C over 20-30°C | 0.00066 | N/A | 0.00077 | 0.00076 | 0.00075 | 0.00072 | 0.00073 |
| 热导率 Thermal Conductivity, @20 °C, w/m °C | N/A | N/A | 0.216 | 0.194 | 0.194 | 0.194 | N/A |
| 熔解潜热 Latent Heat of Fusion, cal/g | N/A | N/A | N/A | 15.1 | 18.7 | 15 | N/A |
| 熔融峰 Fusion Peak, °C | N/A | N/A | N/A | 32 | 34 | 31 | N/A |
| 电场强度 Electrical Strength, V/mil (0.001) | N/A | N/A | 800 | 730 | 850 | 820 | 730 |

*N/R - Not Recommended

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