

Grease Type	Property
Apiezon L Grease	Ultra High Vacuum Grease, Silicone & Halogen Free
Apiezon M Grease	High Vacuum Grease, Silicone & Halogen Free
Apiezon N Grease	Cryogenic High Vacuum Grease, Silicone & Halogen Free
Apiezon T Grease	Medium Temperature Vacuum Grease, Silicone Free
Apiezon H Grease	High Temperature Vacuum Grease, Silicone Free
Apiezon AP101	Anti seize Vacuum Grease, Silicone Free
Apiezon AP100	Ultra High Vacuum Lubricating Grease, Silicone Free



Specification							
Grease Type	AP101	AP100	H Grease	L Grease	M Grease	N Grease	T Grease
Main Areas of Application	General Purpose	Lubricating	High Temperature	High Vacuum	General Vacuum	Cryogenic	Medium Temperature
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
Dropping Point - ASTM.D 566, °C	>200	47	>250	47	44	43	125
Vapour Pressure, Torr @20°C	<1.0 x 10 ⁻⁵	7.0 x 10 ⁻¹¹	1.7 x 10 ⁻⁹	7.0 x 10 ⁻¹¹	1.7 x 10 ⁻⁹	6.0 x 10 ⁻¹⁰	4.6 x 10 ⁻⁹
Relative Density @20°C	0.981	1.042	0.918	0.896	0.894	0.911	0.912
Average Molecular Weight	N/A	N/A	N/A	1300	950	N/A	N/A
Radiation Resistant	*N/R	*N/R	*N/R	Yes	Yes	*N/R	*N/R
Lubricity 4 Ball Test - ASTM.D 2763(IP 239), kg	450	450	250	150	140	150	250
Outgassing characteristics - ASTM.E 595-90 - TML - CVCM	N/A N/A	<1% <0.1%	<1% <0.1%	<1% <0.1%	N/A N/A	<1% <0.1%	N/A N/A
Coefficient of expansion per °C over 20-30°C	0.00066	N/A	0.00077	0.00076	0.00075	0.00072	0.00073
Thermal Conductivity, w/m °C	N/A	N/A	0.216	0.202	0.192	0.189	0.176
Latent Heat of Fusion, cal/g	N/A	N/A	N/A	15.1	18.7	15	N/A
Fusion Peak, °C	N/A	N/A	N/A	32	34	31	N/A
Electrical Strength, V/mil (0."001)	N/A	N/A	800	730	850	820	730
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* NR = Not Recommended



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