

MICROLUBE COMPOSITE (Nickel-Teflon) COATING TECHNICAL DATA

Composition:	Nickel	80-83% by weight
	Phosphorous	9-11% by weight
	PTFE	7-9% by weight
		20-25% / volume
Density:	6.6 g/cm ³	
MicroHardness:	As plated	300-350 Hv100 (31-36 Rc)
	Heat treated @550°F, 2 hours	400-450 Hv100 (42-46 Rc)
Maximum Operating Temperature		620°F
Co-Efficient of Friction:	Wet (white oil)	.07 - .10
ASTM D-2714	Dry	.17 - .21
Corrosion Resistance:	ASTM B-117 Salt Spray 0.2mil	24 hrs
	0.5 mil	96 hours
	1.0 mil	240 hours
Thickness Control:	Accuracy	+/- 5%
Thickness Range:	.00005" to .001"	
Typical Thickness	.0002 - .0003 thk	