

HCT MOLYBDENUM ROD, WIRE, PLATE, SHEET & FOIL **MATERIAL DATA SHEET**

The chemical composition complies with ASTM requirements for powder lot analysis. Actual finished part chemical analysis and mechanical properties are not routinely evaluated per ASTM requirements. ASTM specifications and test methods are used as guidelines to control and monitor our processes to assure product quality. Applicable ASTM Material Standard: **none**. ASTM standards **B387-90 (re-approved 1995)** for rod/wire and **B386-91 (re-approved 1997)** for plate/sheet/foil, are used as a guide except for Si and O levels.

This product meets the requirements of low copper and mercury-free materials.

CHEMICAL COMPOSITION			
Mo:	99.90% Min.	Mg:	10 PPM Max.
Al:	25 PPM Max.	N:	20 PPM Max.
C:	50 PPM Max.	Na:	20 PPM Max.
Ca:	20 PPM Max.	Ni:	50 PPM Max.
Cd:	15 PPM Max.	O:	200 PPM Max.
Cr:	20 PPM Max.	Pb:	10 PPM Max.
Cu:	10 PPM Max.	Si:	300 PPM Max.
Fe:	50 PPM Max.	Sn:	20 PPM Max.
K:	150 PPM Max.	W:	300 PPM Max.

All other elements are contained at <20 ppm.

All products are compliant with EU RoHS Directive 2002/95/EC.