

SP Cu 99,9%

CATEGORY Metal Powders

TYPE 99,9% pure copper metal powder for PTA and Flame Spray applications.

APPLICATIONS Conductive surfaces, corrosion protection, electrical contacts, art applications, condensators etc.

PROPERTIES
 Excelent wear, corrosion and cavitation resistance in many media
 Excelent electrical conductivity
 Excelent for heat transfer layers

CLASSIFICATION
 AWS NA
 EN ISO NA

SUITABLE FOR Electrical contact surfaces, Cunductors, Condensators, heat transfer tubing.

WELDING POSITIONS:



FILLER METAL ANALYSIS % (TYPICAL VALUES)

Cu	Mn	Si	Cr	Ni	Mo
99.9					

MECHANICAL PROPERTIES

Heat Treatment	Rp0,2 (N/mm ²)	Rm (N/mm ²)	A5 (%)	Impact Energy (J) ISO-V			Hardness HB
				-20°C	-40°C	-60°C	
							90

POWDER SIZE RANGE

Distribution grain size				
Size μm*	Size μm*	Size μm*	Size μm*	Size μm*
180-75	150-63	125-53	63-15	45-10

REDRYING TEMPERATURE not required