

Silver Powder

ATO / CCE / CHR

In recent time's metallic powder have become one of the important ingredients of the present day metallurgy giving impetus to the cost effective technology of powder metallurgy (PM). Undoubtedly pure fine metallic powders are the backbone of this technology. Nobel metal powders like silver powder are finding importance for their innumerable advantages and applications. Modison made silver powders find their use in electrical contacts manufactured by PM, electrically conductive paste, solid oxide fuel cells, chemical catalysts, etc. which are based on the size and shape of the powder particles. The size and shape of the particles depend on the method of manufacturing.

Modison manufactures high purity (>99.9%) silver powder by three processes namely atomization, Copper Cementation and chemical reduction. The shape and the size distribution of the powder particles prepared by the processes are as given in the table below.

Mfg. Process	Brand	Purity (%)	Shape	Avg. Particle Size	Size distribution(μm)		
					D(0.1)	D(0.5)	D(0.9)
Atomized	ATO	>99.9	Spherical	20-30	10-15	30-40	60-75
Copper Cementation	CCE	>99.9	Random	7-15	4-8	10-15	20-30
Chemical Reduction	CHR	>99.9	Random	3-5	1.5-2.5	5-7	15-17

MODISON
THE SILVER PEOPLE

Modison Metals Limited

33-Nariman Bhavan, 227-Nariman Point, Mumbai 400 021, India.

Tel.: +91-22-2202 6437 • Fax.: +91-22-2204 8009 • Email: sales@modison.com • Web: www.modison.com