

Carbon Brushes & Conductive Copper Parts

METAL-GRAPHITE CARBON BRUSHES

These can contain between 20% and 80% Copper Powder. They are used in automotive and appliance motors. **ACuPowder** provides water-atomized grades with high purity to ensure excellent electrical conductivity. We also offers a tamping copper — Grade 41. For applications requiring lower A.D. and higher green strength, In addition **ACuPowder** provides several Electrolytic Copper Powders.

Grade	A.D. (g/cc)	Nominal Mesh	-325 %	Comments
41	2.4	-40/+100	0	Tamping Copper
180	2.8	-100	50	High AD, coarse
264J	2.6	-100	45	Water Atomized, coarser
165	2.7	-140	58	High AD, Finer
260ST*	2.6	-140	55	Medium AD, coarser
220LD90*	2.2	-140	90	Lower AD, higher GS
240MD90*	2.4	-140	90	Higher AD, high GS
EL-215	2.2	-200	90	Dendritic Cu, high GS
EL-135	1.3	-200	93	Dendritic Cu, higher GS

*TN Product

COPPER FOR ELECTRICALLY CONDUCTIVE P/M PARTS

ACuPowder produces high purity, water atomized copper, Grades 5058 and 185-E, for this purpose. Grade 5058 is a 185-E Copper pre-lubed with 0.6% Lithium Stearate and is press ready to fabricate Copper P/M Parts with superior electrical conductivity. It is described fully in a separate technical bulletin which details all processing steps involved in making Copper P/M parts.

Copper Grade	A.D. (g/cc)	Nominal Mesh	Percent - 325	% IACS	Comments
185-E	2.8	- 100	50	85 min	
5058	3.2	- 100	45	85 min	0.6% LithiumStearate

The information contained herein is presented as a guide for your investigation and verification. Products mentioned are sold without warranty, expressed or implied, that the goods shall be fit for any particular purpose of or use by the purchaser. Purchasers must conduct their own tests to determine the suitability for their intended purpose. We assume no liability for infringement of any patent resulting from the application of this information. By reason of lack of knowledge as to specific uses, no representation or warranty is made regarding the safety of these products or materials under the Federal Food, Drug and Cosmetics Act.

ISO 9001

*From industry pioneer to industry leader,
We are innovation in motion*

ISO 14001

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