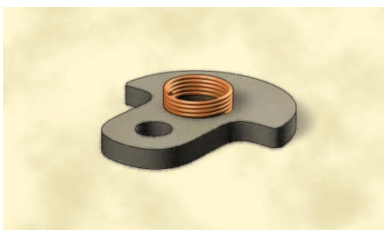


Wrought Wire Infiltrant

ACuPowder is pleased to add Wrought Wire Infiltrant to our line of Infiltration Options for the P/M Industry. If you are looking for a highly efficient and cost effective answer to a new infiltration challenge or simply would prefer to utilize all your presses for compacting parts rather than powdered infiltrant slugs then this is the product for you.



ULtra INFILTrant

YOUR WROUGHT/WIRE INFILTRATION SOLUTION.

www.ultra-infiltrant.com ■ 13111 Penneagle Drive, Carmel, IN, 46033 ■ 888-ULTRA-55

In April 2008 **ACuPowder** became a sales and marketing affiliate for the patented Ultra Infiltrant Wrought/Wire Infiltration Technology in the US.

Ultra Infiltrant is a wrought, homogeneous copper-based alloy that offers significant benefits over some copper powder based infiltrants. It is available in single and multi-turn wire rings, straight-length slugs or other configurations to accommodate virtually any part and many automated processes.

Ultra Infiltrant is available in 9 wire diameters from 0.060 to 0.354 inches with round or squared cross sections.

Technical Data

Data for FX-1008 sintered at 2060°F for 20 minutes in a 90 nitrogen – 10 hydrogen atmosphere with conventional cooling rate.

Green Density (g/cc)	Infiltrant %	Infiltrated Density (g/cc)	TRS (psi)	Hardness (HRB)
6.7	11.3	7.33	222,000	94
MPIF Std 35		7.3	1666,000	89

Infiltrant	Infiltrant %	Infiltrated Density	Tensile Strength (psi)	Yield Strength (psi)	Elongation (%)	TRS (psi)	Hardness	Impact Energy (ft-lbf)
Ultra	10.9	7.45	114,000	91,000	2	187,000	92HRB	14
Powder	13.5	7.45	117,000	90,500	1	189,000	105HRB	12

Data for FX-1008 demonstrates a 20% reduction in amount of Ultra Infiltrant used yields equivalent properties to powdered infiltrant.

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

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ISO 14001