



30/40 TUNGSTEN CARBIDE ALLOY

U.S. ALLOY CO.
dba Washington Alloy
7010-G Reames Rd.
Charlotte, NC 28216
www.weldingwire.com

WASHINGTON ALLOY'S Quality
Management System is
Certified to ISO 9001:2008
Cert # 05-R0925



ALLOY DESCRIPTION AND APPLICATION:

Bare 30/40 is mild steel tube filled with about 60% mixture of tungsten carbide granules & alloy steel in a steel tube used for extreme sever abrasion and low impact. Used for metal to earth application and found in cane knives, plows, agriculture teeth and poinys, mining bits, horseshoe and many other abrasion needs. Using a 3X excess acetylene flame of the inner cone sweating the filler deposit to the base metal while maintaining a minimum dilution. One layer and a maximum of 900°F working temperature are recommended. Avoid puddng during process.

CHEMICAL COMPOSITION, Weight Percent:

Steel tube with 60% mixture of tungsten carbide granules & alloy steel

PHYSICAL DATA: Typical as deposited

Deposit with larger particles or coarse size will improve cutting while the smaller mesh/finer mesh will yield better wear or used where abrasion increases. Commonly the smaller the diameter of the filler rods the finer the mesh. Sandpaper deposits texture found when using the 30-40 mesh while the 5-10 mesh gives larger deposited particles for maximum non-slipping finish.

Hardness Moh's scale 9-10

AVAILABLE SIZES:

TU 30/40 =Bare Rods of 1/8, 5/32, 3/16, 1/4
Other sizes available – please inquire

SPECIFICATIONS:

Internal

EAST COAST
7010-G Reames Rd
Charlotte, NC 28216
Tel (888) 522-8296
Fax (704)598-6673

GULF COAST
4755 Alpine Drive #100A
Stafford, TX 77477
Tel (877) 711-9274
Fax (281)313-6332

WEST COAST
8535 Utica Ave
Rancho Cucamonga, CA 91730
Tel(800)830-9033
Fax (909)291-4586



dc2012

Warehouse Distribution Center – Dayton, Ohio

Head Office – Puyallup, Washington

Washington Alloy Company believes that all information and data given is correct. Use this information to assist in making your own evaluations or decisions and this information should not be mistaken as an expressed or implied warranty. U.S. ALLOY CO. assumes no liability for results or damages incurred from the use of any information contained herein, in whole or in part.