

Technical Note, Wideview CXRS Upgrade, 2009-04-20
Cleaning the BX tubing for the optical fiber.

The BX tubing was shipped to us by RoMack, Inc.

Ref: packing_slip_2009A28097.jpg

The BX tubing is listed as

BX Tubing-SSTL-OD0.329"-ID0.250"BX

The cleaning procedure followed steps is 4-10 of cleaning_procedure_02.pdf; that is,

- 4) Put the item in the "CLEAN" ultrasonic cleaner, and add acetone until the item is covered completely. Fill at least half of the volume for the ultrasonic cleaner to work properly.
- 5) Turn on the cleaner for 30-60 minutes. Control the temperature of the cleaner by turning it off if it gets very hot. Check periodically for heating.
- 6) Drain the used acetone from the volume.
- 7) Repeat the steps 4-6 with isopropyl alcohol.
- 8) Remove the item from the volume and cover it with aluminum foil.
- 9) Put it in the oven in 12.317 for 60 min at $T_{max}=90-100C$. Leave the item covered in the foil, but exposed to the air for alcohol to evaporate completely.
- 10) Remove the item from the oven. Seal the aluminum foil that covered it during heating. Put the package in a clean plastic bag.

At the end of the cleaning procedure, Igor returned the tubing to Bill. He checked the cleaning by rubbing a few spots with a kimwipe soaked in isopropanol. The kimwipe did not collect any visible residue. Then Bill arranged for Teresa to ship the tubing back to Romack.

RoMack, Inc.

Packing Slip

Fiberoptics For Industry And Research Since 1982

Billing: P.O. Box 615, Lightfoot, VA 23090
 Shipping: 209 Bulifants Blvd.
 Williamsburg, VA 23188
 USA

Phone: 757-258-4805
 Fax: 757-258-4694

Email: contact@romackfiberoptics.com

Date:	4/15/09	Ship Method:	UPS Ground
Job #:	J10293	PO#:	2009A28097
Company:	The University of Texas @ Austin	Ship To:	Fusion Research Center Attn: B. Rowan 2511 Speedway Street RLM 12.214 Austin, TX 78712
Phone #:	512-826-0917	Phone #:	
Contact:		Contact:	B. Rowan

Total # of Items:	1	RoMack Contact:	
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Item #:	1	Qty Shipped:	4 pieces	Qty Back Ordered:	
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Item Name:	BX Tubing-SSTL-OD0.329"-ID0.0.250"-SL-1/4"BX
Client PN:	For Cleaning
RoMack PN:	040092

Item #:		Qty Shipped:		Qty Back Ordered:	
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Item Name:	
Client PN:	
RoMack PN:	

Item #:		Qty Shipped:		Qty Back Ordered:	
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Item Name:	
Client PN:	
RoMack PN:	

NOTE: ALL ITEMS WERE INSPECTED BY QUALIFIED QC TECHNICIANS, COUNTED AND PACKED CAREFULLY FOR SHIPMENT. QUALITY SPECIFICATIONS WERE MET, THE COUNT WAS ACCURATE AND THE ITEMS UNDAMAGED WHEN THEY LEFT ROMACK EXCEPT AS MIGHT BE INDICATED BY AN ATTACHED MATERIALS DEVIATION DOCUMENTATION (AS APPLICABLE). IF ANY DAMAGE IS NOTED UPON RECEIPT PLEASE NOTIFY ROMACK IMMEDIATELY. ROMACK'S STANDARD TERMS AND CONDITIONS APPLY TO ALL SALES.

Cleaning procedure for SSTL BX tubing used as jacketing for optical fibers.

If item is has visible residues of oil, wax, grease, dirt, ...

- 1) Wash it thoroughly in soapy water in the bucket.
- 2) Rinse in distilled water a few times to remove the soap residue.
- 3) Let it dry completely for a few hours.

After item is dry or, if it had no visible residues at the beginning:

- 4) Put the item in the "CLEAN" ultrasonic cleaner, and add acetone until the item is covered completely. Fill at least half of the volume for the ultrasonic cleaner to work properly.
- 5) Turn on the cleaner for 30-60 minutes. Control the temperature of the cleaner by turning it off if it gets very hot. Check periodically for heating.
- 6) Drain the used acetone from the volume.
- 7) Repeat the steps 4-6 with isopropyl alcohol.
- 8) Remove the item from the volume and cover it with aluminum foil.
- 9) Put it in the oven in 12.317 for 60 min at $T_{max}=90-100C$. Leave the item covered in the foil, but exposed to the air for alcohol to evaporate completely.
- 10) Remove the item from the oven. Seal the aluminum foil that covered it during heating. Put the package in a clean plastic bag.