

# CritiClean

The Cleanroom Supply *Connection* .com

## MATERIAL SPECIFICATION

### CRITI CLEAN CLASS 100 CLEANROOM SWAB | PART NO. CRS500-3

The Omnicl Part Number CRS500-3 is a three inch long swab with a polyester tip staked onto a polypropylene handle.

The material that is used as the swab head is designated as Contec PNS scoured 100% knitted polyester material or similar. The material has a basis weight of 150 gm/m<sup>2</sup>. The handle is molded from virgin polypropylene plastic designated as PP51S12A or equivalent. The MSDS for the plastic polymer PP51S12A is attached as Addendum "A".

The CRS500-3 Swab is manufactured in a thermal bonding operation using pressure and heat to stake four layers of the polyester material to the handle, while sealing the edges of the swab head. This is performed using proprietary equipment, hardened steel dies, and titanium horns.

The finished size of the CRS500-3 is as follows:

|                         |  |
|-------------------------|--|
| Overall length          | 3" or 75 mm  |
| Diameter of Handle      | .090 or 2.3 mm                                     |
| Swab Head Dimensions    | .125" x .125" x .400" or 3.2 mm x 3.2 mm x 10.2 mm |
| Swab Head Configuration | Half Round with a Flange                           |

The polyester tip swabs are manufactured in a controlled environment. Once the swab heads are staked to the handles and cut to length, the finished swabs are visually inspected and counted. As a final step, they are packed into polyethylene bags and blown out with a blast of nitrogen gas. 100 swabs are placed in an inner bag. Five inner bags are placed into a master bag.

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