



## Description:

This product is designed for use in ESD controlled areas where there are ESD sensitive devices and the area is designated as "Lead-Free". All shop travelers are made from a polyester/polyolefin laminated structure. They can be cleaned for use in Class 100 Clean Rooms. This product is designed to hold 8.5" x 11" sheets and meets or exceeds the requirements of MIL-PRF-81705D, Type II.

## Specifications:

Corrosivity	: Negligible (per FTMS 101C-3005)
Elongation @ Break	: 500 - 800% (per ASTM D882)
Ball Burst Impact Strength	: 20-30 cm/kg (per ASTM D-3420)
Transparency	: > 90% (per ASTM D-1003)
Puncture Resistance	: > 10lds average (per FTMS 101C-2065)
Coefficient of Friction	: 0.3 Kinetic, Film to Film (per ASTM D-1894)
Tensile Strength	: MD 5,700 psi (per ASTM D-882) TD 6,500 psi
Tear Strength	: MD 3lds (per ASTM D-1004) TD 2.2lds

## Electrical Properties:

Electrostatic Decay	: < 0.05 Sec. (per FTMS 101C, Method 4046)
Surface Resistance	: < 10E11 Ω (per ANSI-ESD S11.11)
ElectroStatic Charge Generation	: < 50 Volts (per EIA-541)

## Chemical Properties:

Corrosion	: No effect on aluminum, copper, silver, Sn-Pb coated foil, stainless steel, low carbon steel.
Polycarbonate Compatible	: Yes
No Amines or N-Octanoic Acid	: Not present

## Heat Sealing Conditions:

Temperature	: +191°C (+375°F) to +204°C (+400°F)
Time	: 0.5 sec. to 4.5 sec.
Pressure	: 60 PSI (min)

## Part Number Table

Description	Part Number
Shop Traveler, 9.5" x 11" O.D., 8.625" x 11" I.D., Pack of 100	MC23798

**Important Notice** : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. DURATOOL is the registered trademark of the Group. © Premier Farnell plc 2012.