



STATEX – 10 DS*

STATIC DISSIPATIVE FLAME RETARDANT POLYPROPYLENE SHEET

	<u>TEST METHOD</u>	<u>STATEX-10 DS*</u>
Color		Natural
Thickness		
inches		0.010 (+.003/-0.0015)
millimeters		0.25 (+.08/-0.04)
<u>MECHANICAL PROPERTIES</u>		
Tensile Yield, psi	ASTM D-882	
Machine Direction		4800
Transverse Direction		3600
<u>PHYSICAL PROPERTIES</u>		
Density, gm/cc	ASTM D-792	0.988
Flammability	UL 94	VTM-0
Oxygen Index	ASTM D-2863	28
Water Absorption,	ASTM D-570	
% Change in weight		0.01
Heat Deflection Temperature	ASTM D-648	
@ 66 psi		106°C/223°F
Relative Temperature Index	UL 746B	
Electrical		95°C/203°F
Mechanical w/o impact		95°C/203°F
<u>ELECTRICAL PROPERTIES</u>		
Static Decay,	ASTM D-257-78,	
seconds	Federal Test Method 101C	< 2
Surface Resistivity,	ASTM D-257-78	
ohms/square		10 ⁹ to 10 ¹¹
Dielectric Strength,	ASTM D-149	
volts/mil		17,500
Dielectric Breakdown,	ASTM D-149	
volts		1750
Volume Resistivity,	ASTM D-257	
ohm-cm		146 x 10 ¹⁵
Dielectric Constant	ASTM D-150	2.30
Dissipation Factor	ASTM D-150	0.0009
High Current Arc Ignition,	UL 746A	
arcs to ignite		113
High Voltage Arc Tracking,	UL 746A	
in./min.		0.0
Hot Wire Ignition, sec.	UL 746A	6
Comparative Tracking Index,	ASTM D-3638	
volts		600

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*Indicates two side treated.

Notice: The above data is believed to be accurate and reliable. ITW assumes no responsibility for end-use application, and no performance warranty is expressed or implied.