



Material Technical Data Sheet

Nylon PE Bag

Property	Nominal Value	Unit	Test Method
Physical			
Thickness	2.5~8.0	Mil +/-10%	ASTM D374
Light Transmission	100	% +/-10%	-
Puncture Resistance	>15	lbs	FTMS 101C Method 2065
Heat Seal Strength	>13	lbs/in	ASTM F88-99
Electrical			
Surface Resistivity	N/A	ohm/sq	EOS/ESD S11.11
Electrostatic Decay	N/A	sec	FTMS 101C Method 4046
Energy Test	N/A	nanojoules	EOS/ESD S11.31
Capacity Probe	N/A	volts	EIA-541
Cleanliness			
LPC	<3000	counts / cm ²	@>0.5um
Outgassing	<1709	ng/cm ²	GC-MS
Ionic Contamination			
Chloride, Cl	<10	ng/cm ²	
Nitrate, NO3	<100	ng/cm ²	
Sulphate, SO4	<10	ng/cm ²	

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Material Technical Data Sheet

Static Sheilding Bag

Property	Nominal Value	Unit	Test Method
Physical			
Thickness	3	Mil +/-10%	ASTM D374
Light Transmission	40	% +/-10%	-
Puncture Resistance	>12	lbs	FTMS 101C Method 2065
Heat Seal Strength	>10	lbs/in	ASTM F88-99
Moisture Vapor Transmission Rate (MVTR)	N/A	g/100in ² /day (37.8°C, 90%RH)	ASTM F-1249
Electrical			
Surface Resistivity	<1x10 ¹²	ohm/sq	EOS/ESD S11.11
Electrostatic Decay	<0.05	sec	FTMS 101C Method 4046
Energy Test	<20	nanojoules	EOS/ESD S11.31
Capacity Probe	<25	volts	EIA-541
Cleanliness			
LPC	<3000	counts / cm ²	@>0.5um
Outgassing	<1709	ng/cm ²	GC-MS
Ionic Contamination			
Chloride, Cl	<10	ng/cm ²	
Nitrate, NO3	<100	ng/cm ²	
Sulphate, SO4	<10	ng/cm ²	



Material Technical Data Sheet

Moisture Barrier Bags - DB 3000 Series

Property	Nominal Value	Unit	Test Method
Physical			
Thickness	3	Mil +/-10%	ASTM D374
Light Transmission	55	% +/-10%	-
Puncture Resistance	>15	lbs	FTMS 101C Method 2065
Heat Seal Strength	>11	lbs/in	ASTM F88-99
Moisture Vapor Transmission Rate (MVTR)	<0.05	g/100in ² /day (37.8°C, 90%RH)	ASTM F-1249
Electrical			
Surface Resistivity	<1x10 ¹²	ohm/sq	EOS/ESD S11.11
Electrostatic Decay	<0.05	sec	FTMS 101C Method 4046
Energy Test	<15	nanojoules	EOS/ESD S11.31
Capacity Probe	<25	volts	EIA-541
Cleanliness			
LPC	<3000	counts / cm ²	@>0.5um
Outgassing	<1709	ng/cm ²	GC-MS
Ionic Contamination			
Chloride, Cl	<10	ng/cm ²	
Nitrate, NO3	<100	ng/cm ²	
Sulphate, SO4	<10	ng/cm ²	



Material Technical Data Sheet

Moisture Barrier Bags - DB 38XX Series

Property	Nominal Value	Unit	Test Method
Physical			
Thickness	3.6~7.0	Mil +/-10%	ASTM D374
Light Transmission	None	% +/-10%	-
Puncture Resistance	>25	lbs	FTMS 101C Method 2065
Heat Seal Strength	>15	lbs/in	ASTM F88-99
Moisture Vapor Transmission Rate (MVTR)	<0.0003	g/100in ² /day (37.8°C, 90%RH)	ASTM F-1249
Electrical			
Surface Resistivity	<1x10 ¹²	ohm/sq	EOS/ESD S11.11
Electrostatic Decay	<0.05	sec	FTMS 101C Method 4046
Energy Test	<10	nanojoules	EOS/ESD S11.31
Capacity Probe	<25	volts	EIA-541
Cleanliness			
LPC	<3000	counts / cm ²	@>0.5um
Outgassing	<1709	ng/cm ²	GC-MS
Ionic Contamination			
Chloride, Cl	<10	ng/cm ²	
Nitrate, NO3	<100	ng/cm ²	
Sulphate, SO4	<10	ng/cm ²	