

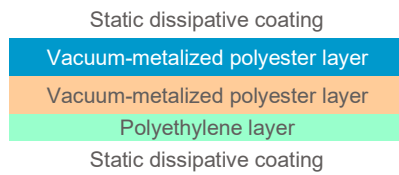
MOISTURE BARRIER BAGS

20-08x-xxxx, 20-211-xxxx, 20-07x-xxxx

Standard compliance:
IEC 61340-5-1
2002/95/EC (Directive RoHS)
IPC/JEDEC J-STD-033
EIA-583, EIA-541, EIA-625

Heat sealable, electrostatic protective, moisture protective for ESD safe packaging

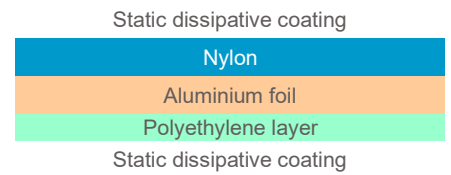
Film construction 20-08x-xxxx :



Film construction 20-211-xxxx :



Film construction 20-07x-xxxx :



	Material and features 20-08x-xxxx 90µ	Material and features 20-211-xxxx 106µ	Material and features 20-07x-xxxx 152µ
Thickness	90µm (3.6 mil. Inch) +/- 10%	106µ (4.0 mil. Inch) +/- 10%	152µ (6.0 mil. Inch) +/- 10%
Tensile strength	MD > 7000 psi / TD > 7000 psi (ASTM D-882-91, method A)	MD > 7000 psi / TD > 7000 psi (ASTM D-882-91, method A)	MD > 4000 psi / TD > 4300 psi (ASTM D-882-91, method A)
Tear strength	MD > 2.4 lbs / TD > 2.7 lbs (ASTM-D-1004-94)	MD ≥ 3.0 lbs / TD ≥ 4.0 lbs (ASTM-D-1004-94)	MD > 4 lbs / TD > 4.0 lbs (ASTM-D-1004-94)
Puncture strength	≥ 20 lbs (FTMS 101C, Method 2065.1)	≥ 25 lbs (FTMS 101C, Method 2065.1)	≥ 19 lbs (FTMS 101C, Method 2065.1)
MVTR	< 0.02 gram/100 in ² / 24H (ASTM-F1249)	≤ 0.0003 gram/100 in ² / 24H (ASTM-F1249)	< 0.0003 gram/100 in ² / 24H (ASTM-F1249)
Heat seal strength	≥ 14 lbs/inch width (ASTM D-882-91)	≥ 16 lbs/inch (ASTM D-882-91)	≥ 16 lbs/inch (ASTM D-882-91)
Heat sealable	250/375°F; 0.8 to 3.5 sec. 30 to 70 psi	250/375°F; 0.5 to 3.5 sec. 30 to 70 psi	250/375°F; 0.8 to 3.5 sec. 30 to 70 psi
Warranty period and Storage conditions*		3 years (environment ≤ 30C/60%RH) 3 years (environment ≤ 40C/90%RH)	

	Electrical properties 20-08x-xxxx 90µ	Electrical properties 20-211-xxxx 106µ	Electrical properties 20-07x-xxxx 152µ
Surface resistance	< 10e11 Ohm (both surface) IEC 61340-2-3	< 10e11 Ohm (both surface) IEC 61340-2-3	< 10e11 Ohm (both surface) IEC 61340-2-3
Electro Static shielding	< 10nJ (ESD S11.31)	< 10nJ (ESD S11.31)	< 10nJ (ESD S11.31)
Static shielding	Capacitive probe < 10 V (EIA 541)	Capacitive probe < 10 V (EIA 541)	Capacitive probe < 20 V (EIA 541)
Warranty period and Storage conditions*		3 years (environment ≤ 30C/60%RH) 3 years (environment ≤ 40C/90%RH)	

Bag specifications: All bags dimensions are internal dimensions. The 1st dimension is the opening, the 2nd is the height
Dimensions: from 20x30mm to 1000x1500mm
Seal sizes: ≤ 12mm
Max Opening (useful dimensions, out of weld): 980mm
Options: Customized sizes & customized printing on request.



*Subcondition: packaging should not be drilled