

S T - 678

ESD Shielding and moisture vapor barrier bags

This bag is satisfactory of anti-static bag with strength, moisture vapor and gas barrier. Innermost layer of the bag is used STAT-3S which is a sustainable anti-static film, so you do not have to worry about an antistatic agent to migrate to the packaged items. Consider tear strength and puncture strength, so toutermost layer is NY (nylon) and innermost layer is STAT-3S (Metallocene catalyst LLDPE with toughness).

〈Features〉

1. Reliable moisture-proof barrier bag
2. Inner layer is used STAT-3S which is **Safety, Stability, Satisfactory** of anti-static film.
3. Tough film strength

〈Materials〉

Anti-static NY (Nylon) / PE / AL / PE / STAT-3S

15 μ 15 μ 7 μ 15 μ 50 μ

| Electrical characteristics | Surface Resitivity | Static Decay Rate | Transmission voltage |
|------------------------------|---------------------|-------------------|----------------------|
| Materials | 23°C × 50%RH | 23°C × 50%RH | ELA541 |
| Inner layer (STAT-3S) | 3.4×10^9 | 5000→50V 0.01sec | |
| Middle layer (AL) | Conductivity | — | 1000V→30V |
| Outer layer (Anti-Static NY) | Less than 10^{12} | — | |

| Strength test | | Tensile test | | | Tear test | Puncture test | Seal strength test | |
|---------------|----|-------------------------|-------------------------------|---------------------------|---------------|-------------------|---------------------------------|--------|
| | | Yield strength (Mpa) | Destruction strength (MPa) | Destruction growth (%) | Tear strength | Puncture strength | Seal strength (N/15mm Width) | |
| | | | | | (N/cm) | (N/cm) | Side | Bottom |
| ST-678 | MD | --- | 51.2 | 99 | 964 | 1420 | 44.0 | 48.6 |
| | TD | --- | 49.7 | 130 | 1080 | - | - | - |

| | | |
|------------------------------|---------------------------------|-------------------------|
| Moisture permeability | 40°C、90% (JIS Z0208 Cup method) | g/m ² , 24hr |
| Less than 0. 1 | | |

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