信 守 化 工
HSIN SOU CHEMICAL

# HSINSOU ET-ABS

Permanent Anti-Static Pellet of ABS

HSINSOU ET-ABS is a permanent anti-static ABS resin .not only the anti-static property but also able to keep the basic mechanical properties of each original ABS resin.

## 1. Typical Properties

| | ET-ABS |
|---|---|
| Appearance | Pale yellow Pellet |
| Specific gravity | 1.07 |
| Tensile Strength kgf/cm$^2$ | 330 |
| Elongation % | 53.7 |
| Bending kgf/cm2 | 581 |
| Bending Elastic | 21,435 |
| Impact kgf.cm/cm | 4.54 |
| Melt flow rate 200 ℃ ,5kg . g/10min | 2.52 |
| Thermal degradation Temperature | 76.2 |
| Softening point ℃ | 88.9 |

PS. Slightly influence to the transparent property if the original ABS was transparent .

## 2. Feature

1. Permanent anti-static property ABS
2. After water washing to the injected parts , it still show the original anti-static property.
3. Almost the same mechanical property as per the compounded process
4. Heat stable ability
5. Suitable for IC relative product andalso the injecting parts in which sensitive to be out of order in static environment .

# 3 . Application Method

1). Suitable for normal injection machine

2). Injection Tempture recommend as between 200 ℃ ~210, ℃ .

3). Various pigment for colorize are available

4). Without and further procedure and additive .

# 4. Drying of HSINSOU ET-ABS

HSINSOU ET-ABS has some hygroscopic property but is packed in bags under moisture proof conditions ; no drying is necessary when used just after unsealing . If HSINSOU ET-ABS kept open for a long time (about 72 hours) , drying is necessary before using .

**Recommend Drying Temperature around 105℃ ~ 110℃ , Drying time is 1 ~ 2 hours.**

# 5 : Property Test

Test report of ET-ABS as following , It show the superior character of Anti-static after water washing .

| Item \ Product | | Hsinsou ET-ABS |
|---|---|---|
| Surface Resistivity | Before water washing | $10^9$ ~$10^{11}$ |
| | After 5 times water washing | $10^9$ ~$10^{11}$ |
| Tensile Strength kgf/cm$^2$ | | 330 |
| Elongation % | | 53.7 |

# NOTE :

Before handling this material,.please refer to the guide brochure , Further more technical

request , please contact to Hsinsou Technical Department .