



# HSINSOU ET-HIPS

## Permanent Anti-Static Pellet of HIPS

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

## 1. Typical Properties

	ET- HIPS
Appearance	Pale yellow Pellet
Specific gravity	1.057
Tensile Strength kgf/cm <sup>2</sup>	200
Elongation %	19.3
Bending kgf/cm <sup>2</sup>	383
Bending Elastic	19,228
Impact kgf.cm/cm	4.2
Melt flow rate 200 °C ,5kg . g/10min	8.89
Thermal degradation Temperature	78.5
Softening point °C	91.4 +/- 10

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

## 2. Feature

1. Permanent anti-static property HIPS
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 and also 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 Temperature recommend as between 190 °C ~200 °C
- 3). Various pigment for colorize are available
- 4). Without and further procedure and additive .

### 4. Drying of HSINSOU ET-HIPS

HSINSOU ET-HIPS 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°C ~ 110°C , Drying time is 1 ~ 2 hours.**

### 5 : Property Test

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

Item \ Product		HSINSOU ET-HIPS
Surface Resistivity	Before water washing	$10^9 \sim 10^{11}$
	After 5 times water washing	$10^9 \sim 10^{11}$
Tensile Strength kgf/cm <sup>2</sup>		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 .