



# Technical Data

Issue 05/11/2005

---

## Tourmaline Powder

### 1. Product Information

Tourmaline Powder is one kind of silicate substance with aluminium, natrium, magnesium and lithium ring structure being of containing boron.

### 2. Field Of Application

For added into plastic mother material, chemical fibre, sponge, non-woven, cosmetic and ornaments, etc. to increase other functions. At the same time utilize these products to remake various environmental protection commodities, such as sofa, chair pad, bedding, clothing ornaments and filter medium, etc.

### 3. Product Characteristics

Thermoelectric and piezoelectric

Persistently release negative ions, emit far infrared ray and generate 0.06mA biological current

Purify air

Accelerate the microcirculation of the body and adjust the balance of the body

Resist bacterium and diminish inflammation

Resist fatigue, soothe the nerves and quiet breath, and enhance body health

### Material Data:

D50granule size: 0.5  $\mu$  m

Appearance: powder

Amount of generating negative ions: 2000~2200p/s  $\cdot$  cm<sup>3</sup>

Radiance of far infrared ray (the wavelength is 2~14  $\mu$  m) :  $\geq$ 0.85

Specific gravity: 2.98~3.2

Specific surface area: 15.2m<sup>2</sup>/g



# Technical Data

Issue 05/11/2005

---

PH of soaking water solution: 7.0~7.4

## Colors:

White, gray, light yellow

## 4. Application

**Methods:** Can be directly added into the formula of the products and won't change original product technics.

Suggested adding dosage of the powder: 1.5~5%

The highest using temperature: 1250°C

Weightlessness at 100°C ≤1.5%

Weightlessness at 1000°C ≤15% (But it also can be done according to the requirement of customers ≤%)

## 5. Packaging

Plastic bag outside, transparent PE bag padded inside, 25kg/bag, or customized

## 6. Storage

Keep from raining, and avoid moisture. Stored in dry place.

## 7. Identification Ref. Ordinance Of Dangerous Materials

Not applicable

## 8. Danger Class In Goods traffic

Not applicable

## 9. Safety Instructions

It has no odor and it is innocuous.