

# Technical Data Sheet

## Taisox 7870H

### 1. Product description

7870H are an ethylene/vinylene acetate copolymer. The trade name is Taisox. This product manufactured by the high-pressure process. By incorporating vinyl acetate (VA) into the ethylene chain produce co-polymerization to EVA.

7870H are a general-purpose for producing solar cell encapsulant film.

### 2. Typical properties

| TAISOX 7870H                  |                    |             |       |
|-------------------------------|--------------------|-------------|-------|
| Properties                    | Units              | Test Method | Value |
| Melt Index MI <sub>2.16</sub> | g/10min            | ASTM D1238  | 15    |
| Density                       | g/cm <sup>3</sup>  | ASTM D1505  | 0.945 |
| Vinyl Acetate content         | %                  | FPC method  | 28.0  |
| Thermal properties            |                    |             |       |
| Melting point                 | °C                 | DSC         | 69    |
| Mechanical properties         |                    |             |       |
| Tensile strength at break     | Kg/cm <sup>2</sup> | ASTM D638   | 80    |
| Elongation at break           | %                  | ASTM D638   | >800  |
| Hardness                      | Shord D            | ASTM D2240  | 20    |
| %T(280-1100 nm)               | %                  | UV-VIS      | 91.2  |

\*Data shown are average values and should not be examined for specifications

### 3. Packing

FPC supplied in 25Kg/paper bag or 650Kg/bulk bag.

### 4. Storing

EVA must be stored at temperature under 40°C. The sun radiation, heat, humidity is prohibit.

The expiration date is 3 years.

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Last Update: August 20, 2015