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## Technical Data Sheet

### Taisox 7670S

#### 1. Product description

Taisox 7670S is an ethylene/vinyl acetate random copolymer manufactured by the high-pressure process. This grade is designed for photovoltaic encapsulant film. Taisox 7670S provides various physical properties, such as excellent adhesion, good processability during lamination and high light transmittance.

#### 2. Typical properties

| 7670S                                  |                    |             |        |
|----------------------------------------|--------------------|-------------|--------|
| Typical properties                     | Unit               | Test method | Value  |
| Melt Index MI <sub>2.16</sub>          | g/10min            | ASTM D1238  | 9      |
| Density                                | g/cm <sup>3</sup>  | ASTM D1505  | 0.9045 |
| Vinyl Acetate content                  | %                  | FPC method  | 28.0   |
| Thermal Properties                     |                    |             |        |
| Melting Point                          | °C                 | DSC         | 70     |
| Mechanical Properties                  |                    |             |        |
| Tensile strength at break              | Kg/cm <sup>2</sup> | ASTM D638   | 82     |
| Elongation at break                    | %                  | ASTM D638   | 800    |
| Hardness                               | Shord D            | ASTM D2240  | 20     |
| Optical transmittance<br>(280-1100 nm) | %T                 | UV-VIS      | >91    |

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

#### 3. Regulatory status

The grade meets the specification promulgated by the Food and Drug Administration of United States of America (FDA) for olefin polymers in 21 code of Federal Regulation Section 177.1350. Please contact your Formosa Plastics Corporation representative for detailed information and other documents or consult the website below:  
<http://www.fpc.com.tw/fpcw/index>.

#### 4. Packaging

FPC supplied in 25Kg plastic bags

#### 5. Storage

Resin should be stored in an adequate manner to prevent exposure of sunlight, heat, humidity and at temperature below 40°C. The expiration date is 3 years.

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