



台灣塑膠工業股份有限公司麥寮廠

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## Technical Data Sheet

### Taisox 7470M

#### 1. Product description

7470M is an ethylene/vinylene acetate copolymer. The trade name is Taisox. This product is manufactured by the high-pressure process. By incorporating vinyl acetate (VA) into the ethylene chain, the high-pressure process produces co-polymerization to EVA.

7470M is a general-purpose for X-linked Foam-shoes, Mid-sole, Gaskets, Blend polymer, LSHN W&C. It provides excellent elasticity, high flexible, good toughness and High optical properties.

#### 2. Typical properties

| Properties                    | Units              | Test Method | Typical Value |
|-------------------------------|--------------------|-------------|---------------|
| Melt Index MI <sub>2,16</sub> | g/10min            | ASTM D1238  | 7.5           |
| Density                       | g/cm <sup>3</sup>  | ASTM D1505  | 0.948         |
| Vinyl Acetate content         | %                  | FPC method  | 26            |
| <b>Thermal properties</b>     |                    |             |               |
| Melting point                 | °C                 | DSC         | 76            |
| Brittleness point             | °C                 | ASTM D746   | <-70          |
| Softening point               | °C                 | ASTM D1525  | 48            |
| <b>Mechanical properties</b>  |                    |             |               |
| Tensile strength at yield     | Kg/cm <sup>2</sup> | ASTM D638   | 30            |
| Tensile strength at break     | Kg/cm <sup>2</sup> | ASTM D638   | 140           |
| Elongation at break           | %                  | ASTM D638   | 800           |
| Hardness                      | Shore A            | ASTM D2240  | 82            |
| Hardness                      | Shore D            | ASTM D2240  | 32            |

\*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 and gets the certification of RoHS(the restriction of the use of certain hazardous substances in electrical and electronic equipment). Please contact your Formosa Plastics corporation representative for detailed information and other documents. More details, Please browse our website: [www2.fpc.com.tw/pe/indexe](http://www2.fpc.com.tw/pe/indexe).

#### 4. Packing

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

#### 5. Storing

EVA must be stored at temperature under 40°C. The sun radiation, heat, humidity is prohibit. The expiration date is 3 years.

Last Update: February 26, 2014