



台灣塑膠工業股份有限公司麥寮廠

臺灣省雲林縣麥寮鄉台塑工業園區 1 號

Formosa Plastics Corporation

Mailiao Plant: NO.1, Formosa Industrial Complex,  
Mailiao Village, Yunlin County, Taiwan

Tel: 886-5-681-2345 Fax: 886-2-681-2833

## Technical Data Sheet

### Taisox 7780M

#### 1. Product description

7780M 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.

7780M is a general-purpose for X-linked Foam-shoes, Mid-sole, Gaskets, Blend polymer, LSHN W&C, hot melt glue. 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	25
Density	g/cm <sup>3</sup>	ASTM D1505	0.955
Vinyl Acetate content	%	FPC method	33
Thermal properties			
Melting point	°C	DSC	63
Mechanical properties			
Tensile strength at yield	Kg/cm <sup>2</sup>	ASTM D638	10
Tensile strength at break	Kg/cm <sup>2</sup>	ASTM D638	70
Elongation at break	%	ASTM D638	>900
Hardness	Shore A	ASTM D2240	66
Hardness	Shore D	ASTM D2240	13

\*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: August 6, 2020