



Formosa Plastics Corporation
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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 _{2.16}	g/10min	ASTM D1238	9
Density	g/cm ³	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 ²	ASTM D638	82
Elongation at break	%	ASTM D638	800
Hardness	Shord D	ASTM D2240	20
Optical transmittance (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.