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Technical Data Sheet

Taisox 7870S

1. Product description

7870S is an ethylene/vinyl 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, co-polymerization produces EVA.

7870S is a general-purpose for producing solar cell encapsulant film.

2. Typical properties

TAISOX 7870S			
Properties	Units	Test Method	Value
Melt Index MI _{2.16}	g/10min	ASTM D1238	15
Density	g/cm ³	ASTM D1505	0.945
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	80
Elongation at break	%	ASTM D638	>800
Hardness	Shord D	ASTM D2240	20
%T(280-1100 nm)	%	UV-VIS	>91

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

3. Packing

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.

Last Update: May 22, 2018