



台灣塑膠工業股份有限公司聚烯事業部

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臺灣雲林縣麥寮鄉台塑工業園區 1 號

Formosa Plastics Corporation

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Technical Data Sheet

TAISOX 8010/8012

098 338 0198

一、Product description

8010 /8012 are an high-density ethylene/butene copolymer. The trade name is TAISOX. It provides high strength and rigidity, good flowability and brittle temperature resistance. 8010/8012 are suitable for Ropes. Nets. Tarpaulin. Woven bags. Foam sheet.

二、Typical properties

Properties	Units	Test Method	8010	8012
Melt Index MI _{2.16}	g/10min	ASTM D1238	1.0	1.1
Density	g/cm ³	ASTM D1505	0.958	0.957
Melting point	°C	FPC DSC	134	134
Brittleness point	°C	ASTM D746	<-70	<-70
Softening point	°C	ASTM D1525	127	127
Tensile strength at yield	Kg/cm ²	ASTM D638	295	300
Tensile strength at break	Kg/cm ²	ASTM D638	390	380
Elongation at break	%	ASTM D638	1000	1000
Tensile Impact Strength	kg · cm/cm ²	ASTM D1822	350	350
Izod Impact Strength	Kg-cm/cm notch	ASTM D256	> 50	> 50
Hardness	Shore D	ASTM D2240	69	69

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

三、Processability

TAISOX 8010/8012 HDPE Resin suggest temperature about 190-210°C for blow film, for casting film 260-300°C, for Monofilament 260-280°C.

四、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 177.1520 and EU RoHS. Please contact your Formosa Plastics corporation representative for detailed information and other documents.

五、Packing

FPC supplied in 25Kg/paper bag or 1000Kg/bulk bag.

六、Storing

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