



台灣塑膠工業股份有限公司聚烯事業部

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Technical Data Sheet

TAISOX 8010/8012

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 | 0.956 | 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.