



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 8050/8070

#### 一、Product description

8050/8070 are an high-density ethylene/butene copolymer. The trade name is TAISOX. . It provides high strength and rigidity, good flowability and brittle temperature resistance. 8050/8070 are suitable for Crates. Boxes. Seats. Pallet.

#### 二、Typical properties

Properties	Units	Test Method	8050	8070
Melt Index MI <sub>2.16</sub>	g/10min	ASTM D1238	6.0	6.0
Density	g/cm <sup>3</sup>	ASTM D1505	0.959	0.961
Melting point	°C	FPC DSC	133	133
Brittleness point	°C	ASTM D746	<-70	<-70
Softening point	°C	ASTM D1525	125	125
Tensile strength at yield	Kg/cm <sup>2</sup>	ASTM D638	310	310
Tensile strength at break	Kg/cm <sup>2</sup>	ASTM D638	240	240
Elongation at break	%	ASTM D638	900	900
Tensile Impact Strength	kg · cm/cm <sup>2</sup>	ASTM D1822	140	140
Izod Impact Strength	Kg-cm/cm notch	ASTM D256	6	8
Hardness	Shore D	ASTM D2240	70	70

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

#### 三、Processability

TAISOX 8050/8070 HDPE Resin suggest injection temperature about 180±10°C for genenal small article, for big article injection temperature no more 230°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.