# Technical Data Sheet

## Taisox Ethylene Butene Copolymer Resin, LLDPE 3440/3450/3460

## 1. Product description

TAISOX 3440/3450/3460 is an ethylene/butene copolymer based Linear Low Density Polyethylene which is designed for extrusion molding applications. The Taisox LLDPE is produced by advanced technology from BP using gas phase process. Taisox 3440/3450/3460 provides various good properties，such as excellent strength, good processability. Taisox 3440/3450/3460 can be used for PE sheeting.

## 2. Typical properties

| Properties | Unit | Test Method | 3440 | 3450 | 3460 |
|---|---|---|---|---|---|
| Melt Index $MI_{2.16}$ | g/10min | ASTM D1238 | 4.0 | 8.0 | 14 |
| Density | g/cm$^3$ | ASTM D1505 | 0.925 | 0.925 | 0.926 |
| Melting point | ℃ | FPC DSC | 123 | 123 | 124 |
| Brittleness point | ℃ | ASTM D746 | <－70 | <－70 | <－70 |
| Softening point | ℃ | ASTM D1525 | 100 | 100 | 100 |
| Tensile strength at yield | Kg/cm$^2$ | ASTM D638 | 115 | 115 | 120 |
| Elongation at break | % | ASTM D638 | 800 | 800 | 850 |
| Hardness | Shore D | ASTM D2240 | 55 | 55 | 56 |

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

## 3. Processability

The recommended temperature setting is in the range of 170-210℃ for extruder and 180-210℃ for die zone.

## 4. Regulatory status

The grades meet 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.

## 5. Packing

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

## 6. Storing

Resin must be stored at temperature under 40℃. The sun's radiation, heat, and humidity are prohibit. The expiration date is 3 years.