



## 台塑烯 HDPE 8009L 單絲級專用料

### TAISOX HDPE 8009L Resin for Monofilament and Yarn



台灣塑膠工業股份有限公司 聚烯事業部

# TAISOX® HDPE 8009L Resin for Monofilament and Yarn

## 1. Product description

TAISOX® 8009L is high density polyethylene resin made by gas-phase process.

8009L is designed for HDPE monofilament application.

8009L is also suitable for yarn products.

8009L has good balance of toughness, impact strength, tensile strength and processability.

## 2. Typical properties

|                               | Units              | Test Method | Typical Value  |
|-------------------------------|--------------------|-------------|----------------|
| <b>Properties</b>             |                    |             |                |
| Melt Index MI <sub>2.16</sub> | g/10min            | ASTM D1238  | <b>1.0</b>     |
| Density                       | g/cm <sup>3</sup>  | ASTM D1505  | <b>0.950</b>   |
| <b>Thermal properties</b>     |                    |             |                |
| Melting point                 | °C                 | FPC DSC     | <b>132</b>     |
| Brittleness point             | °C                 | ASTM D746   | <b>&lt;-70</b> |
| Softening point               | °C                 | ASTM D1525  | <b>125</b>     |
| <b>Mechanical properties</b>  |                    |             |                |
| Tensile strength at yield     | Kg/cm <sup>2</sup> | ASTM D638   | <b>260</b>     |
| Tensile strength at break     | Kg/cm <sup>2</sup> | ASTM D638   | <b>380</b>     |
| Elongation at break           | %                  | ASTM D638   | <b>1000</b>    |
| Izod Impact Strength          | Kg-cm/cm notch     | ASTM D256   | <b>NB</b>      |
| Hardness                      | Shore D            | ASTM D2240  | <b>68</b>      |
|                               |                    |             |                |

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

## 3. Regulatory status

|                         |                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------|
| Meet FDA 21 177.1520. : | for packaging contact with food or drug                                                 |
| Meet RoHS 2011/65/EU :  | free of heavy metal , PBBs and PBDEs                                                    |
| Meet REACH SVHC :       | for 201 items of restricted substances                                                  |
| Meet EU-10 :            | EU rules of packaging or container                                                      |
| Meet EN-71 :            | EU rules of heavy metal content of toys                                                 |
| Download from WWW :     | <a href="http://www2.fpc.com.tw/PE/indexc.htm">http://www2.fpc.com.tw/PE/indexc.htm</a> |

**4. Packaging :** 25Kg/paper bag or 1000Kg/bulk bag.

**5. Storage :** Resin better be stored at temperature under 40°C .  
Sun exposure, heat, humidity better avoided.  
Expiration date is 3 years.

**Formosa Plastics Co., Polyolefin Division** <http://www2.fpc.com.tw/PE/indexc.htm>



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