

# TAISOX LLDPE 3840U Resin for Rotational Molding

## 1. Product description

3840U is linear low density polyethylene resin made by gas phase process.

3840U use 1-butene as comonomer and UV stabilizer is added.

3840U is suitable for rotational molding of large crate containers, tank , barricade etc..

3840U has good balance of stiffness, impact strength, ESCR, 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>5.0</b>
Density	g/cm <sup>3</sup>	ASTM D1505	<b>0.935</b>
<b>Thermal properties</b>			
Melting point	°C	FPC DSC	<b>125</b>
Brittleness point	°C	ASTM D746	<b>&lt;-70</b>
Softening point	°C	ASTM D1525	<b>100</b>
<b>Mechanical properties</b>			
Tensile strength at yield	Kg/cm <sup>2</sup>	ASTM D638	<b>150</b>
Tensile strength at break	Kg/cm <sup>2</sup>	ASTM D638	<b>220</b>
Elongation at break	%	ASTM D638	<b>&gt;1000</b>
Izod Impact Strength	Kg-cm/cm notch	ASTM D256	<b>20</b>
Hardness	Shore D	ASTM D2240	<b>60</b>
UV additive	-----	-----	<b>Added</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 151 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 : <http://www2.fpc.com.tw/PE/indexc.htm>

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.