

## Technical Data

### 产品说明

|                                      |   |
|--------------------------------------|---|
|                                      | Polypropylene PPH 5060 is homopolymer with a Melt Flow Index of 6 g/10 min.   |
| TotalEnergies Polypropylene PPH 5060 | Polypropylene PPH 5060 is specially suitable for tape extrusion for woven applications and for extrusion thermoforming.<br>Polypropylene PPH 5060 is also a general purpose injection grade for moulding technical items  |
| TAIRIPRO® S1005                      | Flat Yarn<br>CHARACTERISTICS: Good stretch-ability, Good Process-ability  |
| Globalene® PC366-5                   | Features <ul style="list-style-type: none"><li>• High tensile strength</li><li>• Good stiffness</li><li>• Good stretchability</li><li>• Good moldability</li><li>• Low gel (fish-eye)</li></ul> Typical Application <ul style="list-style-type: none"><li>• Extrusion<ul style="list-style-type: none"><li>• thin sheet</li><li>• strap</li></ul></li><li>• Flat yarn<ul style="list-style-type: none"><li>• woven bag</li><li>• jumbo bag</li></ul></li><li>• Injection<ul style="list-style-type: none"><li>• closure</li><li>• appliance</li></ul></li></ul> |
| YUNGSOX® PP 1040                     | Characteristics <ul style="list-style-type: none"><li>• Good heat resistance</li><li>• Good stiffness</li></ul> Applications <ul style="list-style-type: none"><li>• General purpose</li><li>• Toys</li><li>• Electrical appliances</li><li>• Housewares</li></ul>  |



Description

HJ730L is a highly isotactic Homo PP(HIPP) with high crystal-line properties compared to normal Homo PP. The product's crystalline properties have enhanced its strength and heat resistance. HJ730L is highly useful for use in electrical/electronic appliances and high strength automobile parts which are exposed to lengthy periods of high temperatures.

Characteristics

Unique balance of flowability and impact resistance: processing of large scale parts

- High strength - thin injection molded products may be formed
- Ultra-high heat resistance - high service temperature
- High crystallinity - suitable for high speed processing
- Good surface hardness - excellent scratch resistance
- Good pigment dispersion - allows for dry coloring

Applications

- Home appliance such as coffee maker, kettle, etc

Hanwha Total PP  
HJ730L

| 总览                 | TotalEnergies Polypropylene PPH 5060 | TAIRIPRO® S1005   | Globalene® PC366-5   | YUNGSOX® PP 1040                | Hanwha Total PP HJ730L                 |
|--------------------|--------------------------------------|---|--|---------------------------------|--|
| 生产商/供应商            | • TotalEnergies                      | • Formosa Chemicals & Fibre Corporation                   | • Lee Chang Yung Chemical Industry Corp.   | • Formosa Plastics Corporation  | • Hanwha Total Petrochemical Co., Ltd. |
| 通用符号               | • PP 均聚物                             | • PP 均聚物  | • PP 均聚物   | • PP 均聚物                        | • PP 均聚物                               |
| 材料状态               | • 已商用：当前有效                           | • 已商用：当前有效  | • 已商用：当前有效   | • 已商用：当前有效                      | • 已商用：当前有效                             |
| 资料 <sup>1</sup>    | • Technical Datasheet (English)      | • Processing (English)<br>• Technical Datasheet (English) | • Technical Datasheet (Chinese (Traditional))<br>• Technical Datasheet (English) | • Technical Datasheet (English) | • Technical Datasheet (English)        |
| UL 黄卡 <sup>2</sup> | --                                   | • E162823-100769101                                       | • E85783-251837  | • E216959-229350                | • E140331-222941                       |
| 搜索 UL 黄卡           | • TotalEnergies                      | • Formosa Chemicals & Fibre Corporation<br>• TAIRIPRO®    | • Lee Chang Yung Chemical Industry Corp.<br>• Globalene®                         | • Formosa Plastics Corporation  | • Hanwha Total Petrochemical Co., Ltd. |
| 供货地区               | • 欧洲                                 | • 北美洲<br>• 欧洲<br>• 亚太地区                                   | • 北美洲<br>• 欧洲<br>• 亚太地区  | • 北美洲<br>• 欧洲<br>• 亚太地区         | • 北美洲<br>• 欧洲<br>• 亚太地区                |



| 总览       | TotalEnergies Polypropylene PPH 5060   | TAIRIPRO® S1005   | Globalene® PC366-5  | YUNGSOX® PP 1040   | Hanwha Total PP HJ730L  |
|----------|--|---|---|--|---|
| 特性       | <ul style="list-style-type: none"> <li>均聚物</li> <li>通用</li> </ul>                                    | <ul style="list-style-type: none"> <li>均聚物</li> <li>良好的加工性能</li> <li>良好的拉伸性</li> </ul>              | <ul style="list-style-type: none"> <li>低速凝固晶点</li> <li>高拉伸强度</li> <li>均聚物</li> <li>良好的成型性能</li> <li>良好的拉伸性</li> <li>良好刚性</li> </ul> | <ul style="list-style-type: none"> <li>均聚物</li> <li>良好刚性</li> <li>耐热性, 良好</li> <li>食品接触的合规性</li> <li>通用</li> </ul> | <ul style="list-style-type: none"> <li>Good Hardness</li> <li>等规度高</li> <li>高结晶</li> <li>高强度</li> <li>均聚物</li> <li>抗划伤性高</li> <li>快的成型周期</li> <li>耐热性, 高</li> <li>食品接触的合规性</li> </ul> |
| 用途       | <ul style="list-style-type: none"> <li>Thermoforming Applications</li> <li>带子</li> <li>通用</li> </ul> | <ul style="list-style-type: none"> <li>线</li> </ul>   | <ul style="list-style-type: none"> <li>袋子</li> <li>电器用具</li> <li>皮带材料</li> <li>片材</li> <li>外壳</li> <li>线</li> </ul>                 | <ul style="list-style-type: none"> <li>电器用具</li> <li>家用货品</li> <li>通用</li> <li>玩具</li> </ul>                       | <ul style="list-style-type: none"> <li>电气/电子应用领域</li> <li>电器用具</li> <li>汽车领域的应用</li> </ul>  |
| 机构评级     | <ul style="list-style-type: none"> <li>EC 1907/2006 (REACH)</li> </ul>                               | <ul style="list-style-type: none"> <li>EC 1907/2006 (REACH)</li> <li>FDA 21 CFR 177.1520</li> </ul> | --  | <ul style="list-style-type: none"> <li>FDA 21 CFR 177.1520</li> </ul>  | <ul style="list-style-type: none"> <li>FDA 21 CFR 177.1520</li> </ul>   |
| RoHS 合规性 | <ul style="list-style-type: none"> <li>RoHS 合规</li> </ul>  | <ul style="list-style-type: none"> <li>RoHS 合规</li> </ul>   | --  | --   | --  |
| UL 文件号   | --   | <ul style="list-style-type: none"> <li>E162823</li> </ul>   | --  | <ul style="list-style-type: none"> <li>E216959</li> </ul>  | --  |
| 形式       | <ul style="list-style-type: none"> <li>粒子</li> </ul>   | --  | <ul style="list-style-type: none"> <li>粒子</li> </ul>  | <ul style="list-style-type: none"> <li>粒子</li> </ul>   | --  |
| 加工方法     | <ul style="list-style-type: none"> <li>挤出</li> <li>热成型</li> <li>注射成型</li> </ul>                      | <ul style="list-style-type: none"> <li>挤出</li> </ul>  | <ul style="list-style-type: none"> <li>挤出</li> <li>片材挤出成型</li> <li>注射成型</li> </ul>  | --   | <ul style="list-style-type: none"> <li>注射成型</li> </ul>  |

| 物理性能            | TotalEnergies Polypropylene PPH 5060 | TAIRIPRO® S1005 | Globalene® PC366-5 | YUNGSOX® PP 1040 | Hanwha Total PP HJ730L | 单位制               | 测试方法       |
|-----------------|--------------------------------------|-----------------|--------------------|------------------|------------------------|-------------------|------------|
| 密度 / 比重         |                                      |                 |                    |                  |                        |                   |            |
| -- <sup>4</sup> | --                                   | 0.898           | --                 | --               | --                     | g/cm <sup>3</sup> | ASTM D792  |
| --              | --                                   | --              | 0.903              | --               | --                     | g/cm <sup>3</sup> | ASTM D792  |
| --              | 0.905                                | --              | --                 | 0.900            | --                     | g/cm <sup>3</sup> | ISO 1183   |
| 23°C            | --                                   | 0.898           | --                 | --               | --                     | g/cm <sup>3</sup> | ISO 1183   |
| --              | --                                   | --              | --                 | --               | 0.910                  | g/cm <sup>3</sup> | ASTM D1505 |
| 表观密度            | 0.53                                 | --              | --                 | --               | --                     | g/cm <sup>3</sup> | ISO 1183   |
| 熔速率 ( 熔体流动速率 )  |                                      |                 |                    |                  |                        |                   |            |
| 230°C/2.16 kg   | --                                   | 5.0             | 5.5                | --               | 5.0                    | g/10 min          | ASTM D1238 |
| 230°C/2.16 kg   | 6.0                                  | 5.0             | --                 | 5.0              | --                     | g/10 min          | ISO 1133   |



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|------------------------------|--------------------------------------|-----------------|--------------------|------------------|------------------------|-------|------------|
| 收缩率                          | --                                   | --              | 1.3                | --               | --                     | %     | ASTM D955  |
| 流动                           | --                                   | --              | --                 | 1.3 到 1.7        | --                     | %     | 内部方法       |
| --                           | --                                   | --              | --                 | --               | --                     | --    | --         |
| 机械性能                         | TotalEnergies Polypropylene PPH 5060 | TAIRIPRO® S1005 | Globalene® PC366-5 | YUNGSOX® PP 1040 | Hanwha Total PP HJ730L | 单位制   | 测试方法       |
| 拉伸模量                         | 1500                                 | --              | --                 | --               | --                     | MPa   | ISO 527-1  |
| 抗张强度                         | --                                   | --              | 36.3               | --               | 36.3                   | MPa   | ASTM D638  |
| 屈服                           | --                                   | 33.0            | --                 | --               | --                     | MPa   | ASTM D638  |
| 屈服, 23°C                     | --                                   | --              | --                 | --               | --                     | MPa   | ISO 527-2  |
| 屈服                           | 32.0                                 | --              | --                 | 34.3             | --                     | MPa   | ISO 527-2  |
| 伸长率                          | --                                   | --              | 9.0                | --               | --                     | %     | ASTM D638  |
| 屈服                           | 10                                   | --              | --                 | --               | --                     | %     | ISO 527-2  |
| 断裂                           | --                                   | --              | 35                 | --               | 200                    | %     | ASTM D638  |
| 断裂, 23°C                     | --                                   | > 200           | --                 | --               | --                     | %     | ASTM D638  |
| 断裂                           | --                                   | --              | --                 | 550              | --                     | %     | ISO 527-2  |
| 弯曲模量                         | --                                   | --              | 1780               | --               | 1670                   | MPa   | ASTM D790  |
| --                           | --                                   | 1370            | --                 | --               | --                     | MPa   | ASTM D790A |
| 23°C                         | --                                   | --              | --                 | --               | --                     | MPa   | ISO 178    |
| --                           | 1400                                 | --              | --                 | 1370             | --                     | MPa   | ISO 178    |
| 冲击性能                         | TotalEnergies Polypropylene PPH 5060 | TAIRIPRO® S1005 | Globalene® PC366-5 | YUNGSOX® PP 1040 | Hanwha Total PP HJ730L | 单位制   | 测试方法       |
| 简支梁缺口冲击强度 (23°C)             | 5.0                                  | --              | --                 | --               | --                     | kJ/m² | ISO 179    |
| 悬壁梁缺口冲击强度                    | --                                   | --              | 31                 | --               | 29                     | J/m   | ASTM D256  |
| 23°C                         | --                                   | --              | --                 | 3.9              | --                     | kJ/m² | ISO 180    |
| 23°C                         | 4.0                                  | --              | --                 | --               | --                     | J/m   | ASTM D4812 |
| 无缺口悬臂梁冲击 <sup>5</sup> (23°C) | --                                   | 35              | --                 | --               | --                     | J/m   | ASTM D4812 |



| 硬度                          | TotalEnergies Polypropylene PPH 5060 | TAIRIPRO® S1005 | Globalene® PC366-5 | YUNGSOX® PP 1040 | Hanwha Total PP HJ730L | 单位制 | 测试方法                    |
|-----------------------------|--------------------------------------|-----------------|--------------------|------------------|------------------------|-----|-------------------------|
| 洛氏硬度                        |                                      |                 |                    |                  |                        |     |                         |
| R 级, 23°C                   | --                                   | 100             | --                 | --               | --                     |     | ASTM D785               |
| R 级                         | --                                   | --              | 99                 | --               | 105                    |     | ASTM D785               |
| R 计秤                        | 92                                   | --              | --                 | 105              | --                     |     | ISO 2039-2              |
| R 计秤, 23°C                  | --                                   | 100             | --                 | --               | --                     |     | ISO 2039-2              |
| 热性能                         | TotalEnergies Polypropylene PPH 5060 | TAIRIPRO® S1005 | Globalene® PC366-5 | YUNGSOX® PP 1040 | Hanwha Total PP HJ730L | 单位制 | 测试方法                    |
| 载荷下热变形温度                    |                                      |                 |                    |                  |                        |     |                         |
| 0.45 MPa, 未退火 <sup>6</sup>  | --                                   | 110             | --                 | --               | --                     | °C  | ASTM D648<br>ISO 75-2/B |
| 0.45 MPa, 未退火               | --                                   | --              | 108                | --               | 120                    | °C  | ASTM D648               |
| 0.45 MPa, 未退火               | 100                                  | --              | --                 | --               | --                     | °C  | ISO 75-2/B              |
| 1.8 MPa, 未退火                | 55.0                                 | --              | --                 | --               | --                     | °C  | ISO 75-2/A              |
| 维卡软化温度                      |                                      |                 |                    |                  |                        |     |                         |
| --                          | 85.0                                 | --              | --                 | --               | --                     | °C  | ISO 306/B50             |
| --                          | 150                                  | --              | --                 | --               | --                     | °C  | ISO 306/A50             |
| --                          | --                                   | --              | --                 | 155              | --                     | °C  | ISO 306                 |
| 熔融温度 ( DSC )                | 164                                  | --              | --                 | --               | --                     | °C  | ISO 3146                |
| 可燃性                         | TotalEnergies Polypropylene PPH 5060 | TAIRIPRO® S1005 | Globalene® PC366-5 | YUNGSOX® PP 1040 | Hanwha Total PP HJ730L | 单位制 | 测试方法                    |
| UL 阻燃等级                     |                                      |                 |                    |                  |                        |     | UL 94                   |
| --                          | --                                   | --              | --                 | HB               | --                     |     |                         |
| 1.5 mm, All Color           | --                                   | HB              | --                 | --               | --                     |     |                         |
| 3.0 mm, All Color           | --                                   | HB              | --                 | --               | --                     |     |                         |
| 补充信息                        | TotalEnergies Polypropylene PPH 5060 | TAIRIPRO® S1005 | Globalene® PC366-5 | YUNGSOX® PP 1040 | Hanwha Total PP HJ730L | 单位制 | 测试方法                    |
| Heat Deflection Temperature | --                                   | --              | --                 | 115              | --                     | °C  | ISO 75-2/B              |



备注

<sup>1</sup> 通过这些链接您能够访问供应商资料。我们尽量保证及时更新资料；不过您可以从供应商处了解最新资料。

<sup>2</sup> UL 黄卡含有 UL 验证的易燃性和电气特性。UL Prospector 持续努力在 Prospector 中将黄卡链接至单个塑料材料，然而此列表可能未包括所有相应链接。重要的是，我们对 Prospector 中找到的这些黄卡和塑料材料之间的关联进行验证。如需完整的黄卡列表，请访问 UL 黄卡搜索。

<sup>3</sup> 一般属性：这些不能被视为规格。

<sup>4</sup> 23°C

<sup>5</sup> 1/8"bar

<sup>6</sup> 1/4" bar



## 购买地点

| 供应商                                  |   |
|--------------------------------------|---|
| TotalEnergies Polypropylene PPH 5060 | <b>TotalEnergies</b><br>Houston, Houston USA<br><b>电话:</b> 800-344-3462 (US); +33-1-47-44-45-46 (EU)<br><b>Web:</b> <a href="https://polymers.totalenergies.com/">https://polymers.totalenergies.com/</a> |
| TAIRIPRO® S1005                      | <b>Formosa Chemicals &amp; Fibre Corporation</b><br>Taipei, Taipei Taiwan<br><b>电话:</b> +886-2-2712-2211<br><b>Web:</b> <a href="http://en.fcfc-plastics.com/">http://en.fcfc-plastics.com/</a>           |
| Globalene® PC366-5                   | <b>Lee Chang Yung Chemical Industry Corp.</b><br>Taipei, Taipei Taiwan<br><b>电话:</b> +886-2-2528-8895<br><b>Web:</b> <a href="http://www.lcygroup.com">http://www.lcygroup.com</a>                        |
| YUNGSOX® PP 1040                     | <b>Formosa Plastics Corporation</b><br>Taipei, Taipei Taiwan<br><b>电话:</b> +886-2-2712-2211<br><b>Web:</b> <a href="http://www.fpc.com.tw/">http://www.fpc.com.tw/</a>                                    |
| Hanwha Total PP HJ730L               | <b>Hanwha Total Petrochemical Co., Ltd.</b><br>Seoul, Seoul South Korea<br><b>电话:</b> +82-2-3415-9408<br><b>Web:</b> <a href="http://www.hanwha-total.com/">http://www.hanwha-total.com/</a>              |



## 分销商

TotalEnergies Polypropylene PPH 5060

**RESINEX Group***RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.*

电话: +32-14-672511

Web: <http://www.resinex.com/>

供货地区: Czech Republic, Hungary, Slovakia

**TER HELL Plastic GmbH***TER HELL Plastic is a Pan European distribution company. Contact TER HELL Plastic for availability of individual products by country.*

电话: +49-2366-5661-0

Web: <https://www.terplastics.com/>

供货地区: France, Germany, Poland, Spain

TAIRIPRO® S1005

**Click Plastics AG***Click Plastics AG is a Pan European distribution company. Contact Click Plastics for availability of individual products by country.*

电话: +49-6251-770-690-0

Web: <http://www.clickplastics.com>

供货地区: Germany

**Osterman & Company**

电话: 800-914-4437

Web: <http://www.osterman-co.com/>

供货地区: North America

**PolySource***PolySource is a North American resin and plastics distributor. Please feel to reach out to your Technical Sales Account Manager. <https://polysource.net/our-team/>*

电话: 866-558-5300

Web: <http://www.polysource.net/>

供货地区: North America

**QTM**

电话: 714-575-5000

Web: <https://www.qtmi.com/>

供货地区: North America

Globalene® PC366-5

请联系供应商以便为 Globalene® PC366-5 查找分销商

YUNGSOX® PP 1040

**Click Plastics AG***Click Plastics AG is a Pan European distribution company. Contact Click Plastics for availability of individual products by country.*

电话: +49-6251-770-690-0

Web: <http://www.clickplastics.com>

供货地区: Germany

**QTM**

电话: 714-575-5000

Web: <https://www.qtmi.com/>

供货地区: North America

Hanwha Total PP HJ730L

请联系供应商以便为 Hanwha Total PP HJ730L 查找分销商

