

## Technical Data

### 产品说明

Without exception, all potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant Technical (P & AD) and Business contacts first.

To discuss a medical/pharmaceutical application please contact: your local Distributor or your local Basell contact Purell HP570R is a homopolymer suitable for injection moulding applications It exhibits a high fluidity combined with a high stiffness.

Purell HP570R is extensively applied in 3-part syringes, closures and general injection moulding for thin-walled, warpage-critical applications.

Purell HP570R is suitable for food contact.

### 总体

材料状态	• 已商用 : 当前有效		
资料 <sup>1</sup>	<ul style="list-style-type: none"> <li>• <a href="#">Technical Datasheet - ISO (English)</a></li> <li>• <a href="#">Processing - Mold Shrink (English)</a></li> <li>• <a href="#">Processing - Extrusion (English)</a></li> <li>• <a href="#">Processing - Injection Molding (English)</a></li> </ul>		
搜索 UL 黄卡	• <a href="#">LyondellBasell Industries</a>		
供货地区	• 非洲和中东	• 欧洲	• 亚太地区
性能特点	• 低翘曲性 • 刚性, 良好	• 均聚物 • 可用环氧乙烷消毒	• 良好的流动性 • 食品接触的合规性
用途	• 薄壁部件 • 皮下注射器零件	• 实验室器具 • 外壳	• 医疗/护理领域的应用
加工方法	• 注射成型		

物理性能	额定值	单位制	测试方法
密度	0.900	g/cm <sup>3</sup>	ISO 1183
熔流率 (230°C/2.16 kg)	23	g/10 min	ISO 1133
机械性能	额定值	单位制	测试方法
拉伸模量	1500	MPa	ISO 527-2
拉伸应力 (屈服, 23°C)	34.0	MPa	ISO 527-2
拉伸应变			ISO 527-2
屈服	8.0	%	
断裂, 23°C	> 50	%	
冲击性能	额定值	单位制	测试方法
简支梁缺口冲击强度 (23°C)	2.5	kJ/m <sup>2</sup>	ISO 179
简支梁缺口冲击强度 (23°C)	110	kJ/m <sup>2</sup>	ISO 179
硬度	额定值	单位制	测试方法
球压硬度 (H 358/30)	72.0	MPa	ISO 2039-1
热性能	额定值	单位制	测试方法
热变形温度 (0.45 MPa, 未退火)	85.0	°C	ASTM D648 ISO 75-2/B
维卡软化温度			
--	153	°C	ISO 306/A50
--	90.0	°C	ISO 306/B50

### 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> 一般属性：这些不能被视为规格。

## Purell HP570R

聚丙烯均聚物

LyondellBasell Industries

### 购买地点

#### 供应商

##### LyondellBasell Industries

Wilmington, DE USA

电话: 713-309-7200

Web: <http://polymers.lyondellbasell.com/portal/site/basell/>

#### 分销商

##### ALBIS Plastic

ALBIS PLASTIC is a pan-European distribution and compounding company. Contact ALBIS PLASTIC for availability of individual products per country.

电话: +49-40-78105-0

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

可用性: Europe

##### Ultrapolymers

Ultrapolymers is a Pan European distribution company. Contact Ultrapolymers for availability of individual products by country.

电话: +32-11-57-95-57

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

可用性: Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Lithuania, Macedonia, Netherlands, Norway, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Turkey, United Kingdom



Founded in 1986 and based in Laramie, Wyoming, IDES is now part of the UL family of companies. UL is a premier global independent safety science company with more than a century of proven history. Employing nearly 10,000 professionals in over 100 countries, UL has five distinct business units -- Product Safety, Environment, Life & Health, Knowledge Services and Verification Services -- to meet the expanding needs of our customers and to deliver on our public safety mission.



### Prospector Plastics Database - [www.ides.com/prospector](http://www.ides.com/prospector)

Prospector is a searchable online database that includes 85,000 data sheets from 875 manufacturers and 44,000 UL yellow cards. Each data sheet includes property, processing and supplier contact information. Prospector is relied on by nearly 400,000 design engineers and plastics processors. Using Prospector, they save time with plastic material selection by quickly and easily referencing technical information critical to the success of their products.

"Prospector is absolutely the best and most well-known search engine for plastic raw materials in the world. We use Prospector every day – it's a real time saver!"

– Birgit Elvardt Bader, Production Manager, Micoctron

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**Property Search** – select plastics by 500 key properties and design parameters.

**Alternative Resins Search** – find replacement plastics within minutes.

**Automotive Plastics Search** – easily locate automotive approved plastics.

**Curve Data** – view, overlay and export curve data.



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With our data management services, plastic suppliers and distributors can have custom search interfaces available on their website for their customers, website visitors, sales and customer service teams. These provide intuitive ways to find and view technical data sheets for their products.

"With UL IDES data services, our website now displays the most current information on the products we distribute and links to our backend RFQ and sales order system, adding both value and service for our customers."

– Kevin Chase, Owner & President, Chase Plastics



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