

# FHR Polypropylene P5M4R-034

聚丙烯无规共聚物

Flint Hills Resources, LP

PROSPECTOR®

www.ulprospector.com

## Technical Data

### 产品说明

DESCRIPTION: Random Copolymer for injection molding.  
FEATURES: Produced without animal derived components or phthalates.  
STERILIZATION: Gamma radiation, ETO, E-beam and autoclave.  
APPLICATIONS: Medical devices, syringes.

### 总览

材料状态	• 已商用 : 当前有效
资料 <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>
UL 黄卡 <sup>2</sup>	• <a href="#">E336707-100613164</a>
搜索 UL 黄卡	• <a href="#">Flint Hills Resources, LP</a>
供货地区	• 北美洲 • 欧洲
特性	• 电子束消毒 • 高压锅消毒 • 无动物源性成分 • 辐射消毒 • 环氧乙烷消毒 • 无规共聚物
用途	• 医疗/护理用品 • 医疗器械
机构评级	• DMF 未评级 • USP 88 • FDA 21 CFR 177.1520(c) 3.1a • USP 第 VI 类
RoHS 合规性	• 联系制造商
形式	• 粒子
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>	ASTM D1505
熔流率 (熔体流动速率) (230°C/2.16 kg)	12 g/10 min		ASTM D1238
机械性能	额定值	单位制	测试方法
抗张强度 (屈服)	26.0	MPa	ASTM D638
伸长率 (屈服)	13 %		ASTM D638
弯曲模量			ASTM D790
1% 正割	740	MPa	
正切	790	MPa	
冲击性能	额定值	单位制	测试方法
悬臂梁缺口冲击强度 (23°C)	40	J/m	ASTM D256
落锤冲击 (23°C)	26.0	J	ASTM D5420
硬度	额定值	单位制	测试方法
洛氏硬度 (R 级)	83		ASTM D785
热性能	额定值	单位制	测试方法
载荷下热变形温度 (0.45 MPa, 未退火)	75.0	°C	ASTM D648
熔融峰值温度	145 到 152	°C	ASTM D3418

### 补充信息

Notice regarding medical applications:

This Flint Hills product meets certain requirements for use in medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that this Flint Hills product is safe, lawful and technically suitable for the intended use. Flint Hills encourages its customers to review their application with a Flint Hills technical representative to ensure that this product is not used in ways for which it was not intended. Flint Hills makes no warranties (express or implied), promises or guarantees concerning the suitability of this product for use in any given medical application.

### 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。



购买地点

供应商

**Flint Hills Resources, LP**

Wichita, KS USA  
电话: 800-985-7303  
Web: <http://www.fhr.com/>

分销商

**Amco Polymers**

电话: 800-262-6685  
Web: <http://www.amcopolymers.com/>  
供货地区: North America

**Avient Distribution (formerly PolyOne Distribution)**

*Avient Distribution is a global distribution company. Contact Avient Distribution for availability of individual products by country.*  
电话: +1-888-502-0951 (USA); +86-21-6028-4805 (China)  
Web: <https://www.avientdistribution.com/>  
供货地区: Global

**M. Holland Canada Company**

电话: 905-665-1168  
Web: <http://www.mholland.com/>  
供货地区: Canada

**M. Holland Company**

电话: 855-497-1403  
Web: <http://www.mholland.com/>  
供货地区: Mexico, United States

**Nexeo Plastics**

*Nexeo Plastics is leading global resin distributor with the technical resources you need to overcome material challenges. Visit us on the web at [www.nexeoplastics.com](http://www.nexeoplastics.com).*  
电话: 833-446-3936  
Web: <https://www.nexeoplastics.com/>  
供货地区: North America

**Nexeo Plastics - Europe**

*Nexeo Plastics is a Pan European distribution company. Contact Nexeo for availability of individual products by country.*  
电话: +34-93-480-9125  
Web: <https://www.nexeoplastics.com/>  
供货地区: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Spain, Sweden, Switzerland, United Kingdom

