

# KRATON® IR307

聚异戊二烯

Kraton Polymers LLC



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## Technical Data

### 产品说明

Kraton® IR307 is a solution polymerised polyisoprene with a high cis-1,4 content. It has a high molecular weight as indicated by its limiting viscosity number of 7.75 dl/g.

A non-staining stabiliser is added at the typical value of 0.1%.

Kraton IR307 is used as a replacement for natural rubber in a wide range of compounds, offering advantages of light colour, uniformity and low levels of impurities. Its good flow characteristics produce improvements in mixing and moulding behaviour. It is used for food and pharmaceutical packaging and seals, baby bottle teats and health care, adhesives, chemical derivatives of rubbers and very light coloured or transparent articles.

Kraton IR307 is manufactured to the highest standards but special requirements apply to certain sensitive applications such as food contact and pharmaceuticals. Reference should always be made to local legislation regulating these applications.

### 总体

|                 |  |
|-----------------|--|
| 材料状态            | • 已商用：当前有效   |
| 资料 <sup>1</sup> | • <a href="#">Processing - KRATON D &amp; G (English)</a><br>• <a href="#">Technical Datasheet (English)</a> |
| 搜索 UL 黄卡        | • <a href="#">Kraton Polymers LLC</a><br>• <a href="#">KRATON®</a>   |
| 供货地区            | • 欧洲   |
| 添加剂             | • 未指定的稳定剂 (1000 ppm)   |
| 性能特点            | • 高分子量<br>• 良好的流动性   |
| 用途              | • 工业领域：<br>• 鞋类  |
| 外观              | • 清晰/透明  |
| 形式              | • 颗粒料  |
| 加工方法            | • 压缩模塑<br>• 注射成型   |

| 物理性能                      | 额定值 单位制                      | 测试方法            |
|---------------------------|------------------------------|-----------------|
| 1,4顺式含量                   | > 90.0 wt%                   | Internal Method |
| Limiting Viscosity Number | 670 到 920 cm <sup>3</sup> /g | Internal Method |
| Stabilizer                | 0.1 wt%                      | Internal Method |
| 灰含量                       | < 0.10 %                     | ASTM D5667      |
| 挥发物                       | < 0.50 %                     | ASTM D5668      |

| 弹性体                        | 额定值 单位制         | 测试方法   |
|----------------------------|-----------------|--------|
| 拉伸应力 <sup>3</sup> (300%应变) | 8.60 到 13.5 MPa | ISO 37 |
| 拉伸应力 <sup>3</sup> (屈服)     | > 21.6 MPa      | ISO 37 |
| 伸长率 <sup>3</sup> (断裂)      | > 430 %         | ISO 37 |

### 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。

<sup>3</sup> Cure: 40 min at 135°C

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## 购买地点

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### 供应商

**Kraton Polymers LLC**  
Houston, TX USA  
电话: 800-457-2866  
Web: <http://www.kraton.com/>

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### 分销商

请联系供应商以便为 KRATON® IR307 查找分销商



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– Kevin Chase, Owner & President, Chase Plastics



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