

# TOTAL PETROCHEMICALS

## Polyethylene MS201 BN-NA

高密度 (HMW) 聚乙烯

### TOTAL PETROCHEMICALS

#### Technical Data

##### 总体

|      |                                                                               |                                                                         |                                                         |
|------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------|
| 性能特点 | <ul style="list-style-type: none"><li>高 ESCR ( 抗应力裂纹 )</li><li>高分子量</li></ul> | <ul style="list-style-type: none"><li>抗撞击性，良好</li><li>良好的抗蠕变性</li></ul> | <ul style="list-style-type: none"><li>良好的熔体强度</li></ul> |
| 用途   | <ul style="list-style-type: none"><li>汽车领域的应用：</li></ul>                      | <ul style="list-style-type: none"><li>油箱</li></ul>                      |                                                         |
| 机构评级 | <ul style="list-style-type: none"><li>EC 1907/2006 (REACH)</li></ul>          |                                                                         |                                                         |
| 形式   | <ul style="list-style-type: none"><li>颗粒料</li></ul>                           |                                                                         |                                                         |

| 物理性能                       | 额定值    | 单位制      | 测试方法         |
|----------------------------|--------|----------|--------------|
| 密度                         | 0.946  | g/cm³    | ISO 1183     |
| 熔流率 (190°C/21.6 kg)        | 6.0    | g/10 min | ISO 1133     |
| 抗环境应力开裂 (100% Igepal, F50) | > 1000 | hr       | ASTM D1693B  |
| 机械性能                       | 额定值    | 单位制      | 测试方法         |
| 拉伸应力 (屈服)                  | 24.0   | MPa      | ISO 527-2/50 |
| 拉伸应变 (断裂)                  | 600    | %        | ISO 527-2/50 |
| 弯曲模量 - 0.4% 正割             | 1100   | MPa      | ISO 178      |
| 冲击性能                       | 额定值    | 单位制      | 测试方法         |
| 悬壁梁缺口冲击强度 (3.18 mm)        | 640    | J/m      | ASTM D256A   |
| 热性能                        | 额定值    | 单位制      | 测试方法         |
| 熔融峰值温度                     | 127    | °C       | ASTM D3418   |
| 补充信息                       |        |          |              |

Blow Molding Typical Melt Temperature: 370 to 450°F  
Strain at Break, ISO 527: >600%





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, Micotron

#### Power Searches

**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.



### Material Data Management – [www.ides.com/datasheets](http://www.ides.com/datasheets)

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



### Advertising – [www.ides.com/advertise](http://www.ides.com/advertise)

Reach 365,000 pre-qualified plastics professionals and generate leads with proven techniques. Electronic newsletter insertions, sponsored webinars and powerful online ads are available to make the most of your lead-generation program.

For more information, call: 800.788.4668 or 307.742.9227 ext. 220

UL and the UL logo are trademarks of UL LLC.

