Components in Engine Mounts

We understand that in the automotive industry, you need reliable materials that perform to a higher standard. Ascend offers a comprehensive portfolio of engineered plastics for challenging automotive applications. We work with our customers to achieve the very best from our products. That’s why we offer a worldwide support network of application specialists and technical experts. Our material knowledge and expertise in automotive systems can help you improve part performance and reduce material usage and cycle times.

产品使用：R433H，R535H，R540H，R550H

应用描述

发动机悬置是汽车动力传动系统的关键部件。它们固定了发动机和变速箱在车辆中的位置，并同时将发动机与车身解耦，以避免噪声和振动的传播。

在发动机舱条件下的一个良好的平衡是需要的，以支撑组件功能并允许对橡胶件的优化设计。

VODYNE差值

Ascend的Vodyne® PA66非常适合此应用，因为它具有更优的强度、刚度和疲劳抗力。其内部阻尼支持组件功能，允许对橡胶件的优化设计。

利益

- 刚度
- 疲劳抗力
- 内部阻尼
- 轻量化
- 温度抗力
- 化学抗力
- 腐蚀抗力

金属替换

Vodyne R550H是一种出色的铝合金替换品，因为它具有更高的内部阻尼，轻量化。发动机悬置支架或连杆使用Vodyne制成，重量更轻，传递更少的力于发动机和车身。它们增强了所涉及组件的舒适度和寿命。

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Product Properties

<table>
<thead>
<tr>
<th>Property*</th>
<th>Test Method</th>
<th>Units</th>
<th>R433H</th>
<th>R535H</th>
<th>R540H</th>
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<tr>
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<td>MPa</td>
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*Dry as molded (DAM)

Application Development and Support

Our automotive applications team relies on years of industry experience and CAE support for tooling to help you optimize your system design. For more information, contact our expert applications specialists or visit ascendmaterials.com.

Ascend Performance Materials is the world’s largest fully integrated producer of nylon 6,6 resin. We manufacture and reliably supply world-class plastics, fibers and chemicals that are used in thousands of everyday applications such as car parts, electronics and cable ties.

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