

In the automotive industry, you need PA66 products that perform to a higher standard. Vydyne® resins and compounds help you get the most out of every part you produce. For under-the-hood applications, Vydyne products deliver superior chemical and heat resistance. For exterior and interior components, Vydyne offers versatile, reliable and customizable resins. Our quality and consistency make the difference in your production efficiency.

**Products Used:** R633H (Black)

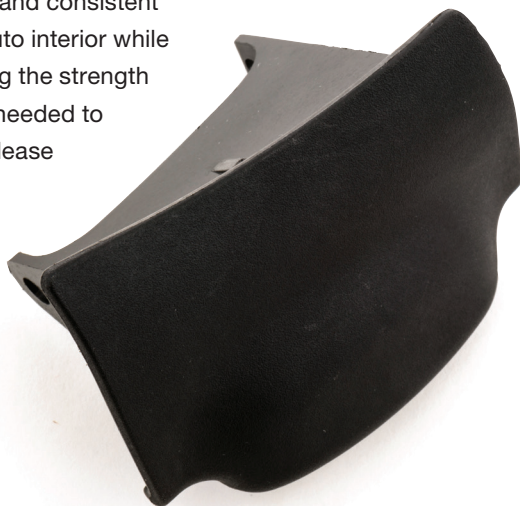
**Benefits:** Surface Appearance • Approved Black Color • Superior Strength • Easy to Mold • Stiffness

**Application Description**

Pictured below is the brake release used in several North American-made trucks and SUVs, among others. The release handle assembly is manufactured by a leading North American automotive molder.

**The Challenge**

The brake release is a critical component because it must balance strength and appearance. It requires the smooth surface finish and consistent color of the auto interior while still demanding the strength and stiffness needed to engage the release mechanism.



**The Vydyne Difference**

Ascend's Vydyne R633H is ideal for this application because of its balance of strength and stiffness with a good surface appearance. The black color is approved for use in automotive interiors by many domestic automakers. The Ascend automotive team employed years of experience to create optimal parts for Ford®, General Motors® and Chrysler®.

**For more information, see your Ascend representative or visit [www.ascendmaterials.com](http://www.ascendmaterials.com).**

**R633H**

Property	Method	Units	DAM
Specific Gravity	ISO 1183	none	1.39
Tensile Strength	ISO 527	MPa	177
Flexural Modulus	ISO 178	MPa	8,800
Notched Izod	ISO 180	kJ/m <sup>2</sup>	12.6
DTUL @ 1.8 MPa	ISO 75	°C	215