



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.

**Product Used:** R633H05 (Black)

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

## Application Description

Pictured below is a hood release handle used in a variety of North American trucks and sport utility vehicles (SUVs). The release handle assembly is manufactured by a global manufacturer of automotive components.

## The Challenge

The release handle is a critical component because it must balance strength and appearance. It must have the smooth surface finish and consistent color of the auto interior. But strength and stiffness are also needed to engage the release mechanism.



## The Vydyne Difference

With a balance of strength, stiffness and a good surface appearance, Ascend's Vydyne R633H05 is an ideal choice for this application. The black color is approved by Ford®, General Motors® and Chrysler® for use in automotive interiors.

The Ascend Automotive team relies on 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).**

R633H05			
Property	Method	Units	DAM
Density	ISO 1183	g/cm <sup>3</sup>	1.39
Tensile Stress	ISO 527-2	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 75-2/A	°C	215