



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:** R228 (Black)

**Benefits:** Temperature Resistance • Warp Resistance • Superior Mold Flow • Surface Appearance • Noise Cancellation

**Application Description**

Pictured below is the engine cover for a major, North American V-6 engine. This particular part is used on the left-hand cylinder bank.

**The Challenge**

The engine cover demands a unique balance of properties. Most important, the part must maintain its appearance and resist warpage, and therefore the material used must be resistant to both under-the-hood chemicals and heat. The engine cover must also help reduce the noise created by the engine.

**The Vydyne Difference**

Ascend's Vydyne R228 is extremely well suited for this application because it balances superior temperature and warp resistance with a pleasing surface appearance. R228 also helps neutralize engine noise.

The Ascend Automotive team uses years of automotive experience to create optimal parts for Ford®, as well as for Toyota® and Chrysler®.

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

R228			
Property	Method	Units	DAM
Specific Gravity	ISO 1183	none	1.48
Tensile Strength	ISO 527	MPa	103
Flexural Modulus	ISO 178	MPa	6,100
Notched Izod	ISO 180	kJ/m <sup>2</sup>	9
DTUL @ 1.8 MPa	ISO 75	°C	118

