



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: R860

Benefits: Static Load Bearing Capabilities • Vibration Minimization • Superior Mold Flow • Adhesion to Metal

Application Description

Pictured below is the right-hand exterior mirror bracket for a major, Asian midsize vehicle. The mirror assembly is manufactured by a major global manufacturing and assembly company.

The Challenge

The mirror bracket is a critical component of the mirror assembly. For superior part performance, the bracket must minimize vibration and withstand a demanding assembly process. In certain applications, adhesion to metal is essential as well.

The Vydyne Difference

Ascend's Vydyne R860 brings to the application an optimal balance of strength, stiffness, damping characteristics and adhesion to metal. Vydyne PA66 resins are more cost-effective than polyester, zinc and magnesium. The Ascend Automotive team utilizes mold flow analysis and years of mirror bracket experience to create optimal parts for Toyota®, as well as for Ford® and General Motors®.

For more information, see your Ascend representative or visit www.ascendmaterials.com.



R860			
Property	Method	Units	DAM
Specific Gravity	ISO 1183	none	1.45
Tensile Strength	ISO 527	MPa	119
Flexural Modulus	ISO 178	MPa	6,900
Notched Izod	ISO 180	kJ/m ²	4
DTUL @ 1.8 MPa	ISO 75	°C	225