



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: 21SPC, 21SPF

Benefits: Lubricity • Wear Resistance • Superior Strength
• Easy to Mold • Stiffness

Application Description

Pictured below is the assist handle bracket used for a major Japanese auto line. The assist handle assembly is manufactured by a leading global tier-one company.

The Challenge

The assist handle bracket is a critical component that must balance strength and wear. It requires lubricity and wear resistance that stand up to consistent action. At the same time, it demands a part with strength and stiffness to support the occupant. Additionally, these are molded with colorant added to match the auto interior.



The Vydyne Difference

Ascend's Vydyne 21SPC is ideal for this application due to its balance of strength and stiffness with good wear and lubricity. The ease of molding allows many design features to be added to the part to improve its functionality. The Ascend automotive team employed years of experience to create optimal parts for Nissan®, Ford®, General Motors® and Chrysler®.

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

21SPC, 21SPF				
Property*	Method	Units	21SPC	21SPF
Density	ISO 1183	g/cm ³	1.14	1.14
Tensile Stress	ISO 527-2	MPa	81	85
Flexural Modulus	ISO 178	MPa	2,900	3,000
Notched Izod	ISO 180	kJ/m ²	6.0	5.5
DTUL @ 1.8 MPa	ISO 75-2/A	°C	72	74

*Dry as molded (DAM)