

VINPOL™ PA6630GFI

30% Long Glass Filled, Impact Modified, Polyamide 66

30% Glass Filled

Impact Modified

VINPOL PA6630GFI is a 30% long glass filled, impact modified polyamide 66 resin with good rigidity, creep resistance and high impact resistance. It is designed for injection molded applications such as automotive parts like engine room side walls, sunroof frames, door hinge brackets, and other industrial parts like cycling grips, etc.

Resin Property	Typical Value	Units	Test Method
Mold shrinkage, 3T, Flow	0.4-0.9	%	ASTM D-955
Tensile Modulus, 23°C	11,100	MPa	ASTM D-638
Tensile Strength, 23°C	183	MPa	ASTM D-638
Tensile Elongation	2.4	%	ASTM D-638
Notched Izod notched impact strength, 23°C	25	kJ/m ²	ASTM D-256
Flexural modulus, 23°C	9,650	MPa	ASTM D-790
Flexural strength, 23°C	283	MPa	ASTM D-790
Rockwell Hardness	122	R Scale	ASTM D-785
Melting Point	262	°C	DSC (Supplier Method)
Heat Deflection Temperature under Load, 1.8MPa	249	°C	ASTM D-648
Flammability	HB	-	UL94
Water absorption, 23°C, 24 hr immersion	0.7	%	ASTM D-570
Density	1.37		ASTM D-792
Poisson's Ratio, 23°C	0.38		ASTM D-638
Dielectric Constant, 1 MHz	3.7		ASTM D-150
Dielectric Dissipation Factor, 1 MHz	0.01		ASTM D-150
Volume Resistivity	1x10 ¹⁵	Ohm-cm	ASTM D-257
Dielectric Strength	35	KV/mm	ASTM D-149

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