

## STAR PA6 GF30

<b>General</b>		
Availability	Global	
Processing Method	Injection Molding	
Description	30% Glass Filled Nylon 6	

<b>Physical</b>	<b>Nominal Value</b>	<b>Test Method</b>
Density/Specific Gravity	1360 kg/m <sup>3</sup>	ISO 1183
Molding Shrinkage		ISO 294-4
	Lengthwise (24 hr)	.2-.4%
	Lateral (24 hr)	.6-.8%

<b>Mechanical</b>	<b>Nominal Value</b>	<b>Test Method</b>
Tensile Modulus (23 C)	8000 MPa	ISO 178
Flexural Strength	240 MPa	ISO 178
Tensile Modulus	9000 MPa	ISO 527
Tensile strength at break	170 MPa	ISO 527
Tensile elongation at break	3.0%	ISO 527

<b>Impact</b>	<b>Nominal Value</b>	<b>Test Method</b>
		ISO
Charpy notched impact	7 kJ/m <sup>2</sup>	179/1eA
		ISO
Charpy impact strength	55 kJ/m <sup>2</sup>	179/1eU

<b>Thermal</b>	<b>Nominal Value</b>	<b>Test Method</b>
HDT/A (1,8 MPa)	210 C	ISO 75-1/-2
	DSC (Melt Point)	220 C
		ISO 11357

<b>Flammability</b>		
Flame Rating	HB	UL 94

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee as conditions and methods of use are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.

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