



# Technical Datasheet

## Sonamid6 GF30 P1025

### A glass fiber reinforced Polyamide 6 for injection moulding

General				
Polymer type	PA6 (Polyamide 6) – GF30			
Processing technology	Injection molding			
Applications	Automotiv			
Colors available	Nature, Black, Colors			
Forms	Pellets			

  

Physical properties				
Density		ISO 1183	g/cm <sup>3</sup>	1.37
Humidity absorption	T=23°C, 50% RH	ISO 62	%	-

  

Mechanical properties				
Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	9500/6200
Tensile strain at break		ISO 527-1/-2	%	3,5/8
Tensile stress at yield		ISO 527-1/-2	MPa	-/115
Tensile strain at yield		ISO 527-1/-2	%	-
Charpy notched impact strength, +23°C	+23°C	ISO 180/1A	kJ/m <sup>2</sup>	15/30
Charpy unnotched impact strength, +23°C	+23°C	ISO 180/1A	kJ/m <sup>2</sup>	95/110

  

Thermal properties				
Melting temperature,	10°C/min	ISO 11357-1	°C	220

  

Burning behaviour				
Flammability, 0.75 mm	0.75 mm	UL 94		HB
Flammability, 1.5 mm	1.5 mm	UL 94		HB

  

Processing conditions	
Drying temperature/time	80°C / 4 hours
Suggested max moisture	0.2 %
Rear temperature	250 - 275 °C
Middle temperature	260 - 280 °C
Front temperature	265 - 285 °C
Recommended mold temperature	80 - 90 °C

## **Haftungsausschluss/Disclaimer**

The specified values are typical values. Unless expressly agreed upon in writing with us, they do not constitute guaranteed values or product specifications in terms of agreed quality. The specified values may be influenced by tool design, processing conditions, or product coloring. The specified property values were determined, unless otherwise stated, on standardized test specimens at room temperature..