

# TechnoMid B500

Polyamide 6

TechnoCompound GmbH

## Message:

TechnoMid compounds are particularly suitable for technical applications due to their outstanding characteristics. The excellent sliding qualities and the favourable abrasion behaviour of TechnoMid compounds also permit their use in bearings.

TechnoMid compounds count among the technical thermoplastic compounds.

PA6 is made from caprolactam by means of hydrolytic polymerisation. The PA6.6 is produced by poly-condensation of hexa-ethylene diamine and adipic acid.

General Information			
Additive	Impact modifier		
Features	Impact modification		
	Good wear resistance		
Uses	Plug		
	Gear		
	Electrical/Electronic Applications		
	Electrical housing		
	Electrical appliances		
	Furniture		
	Household goods		
	Application in Automobile Field		
Bearing			
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m <sup>2</sup>	ISO 179/1eA
Additional Information			
Moisture Content, Infared 105°C, 15 min: <0.10%Ash Content, ISO 3451, 950°C: 7 kJ/m <sup>2</sup>			
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 - 4.0	hr	
Processing (Melt) Temp	230 - 270	°C	
Mold Temperature	20.0 - 80.0	°C	

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### Recommended distributors for this material

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