PA6G40

Glass fiber Reinforced Polyamide 6

Characteristics	**Excellent mechanical properties, vibration friction welding.**	
Applications	**Structural parts of automobile & electric appliance, backrest, welding assembly, etc.**	

Properties (23℃)	Typical Value[1]	Unit	Test Method
Mechanical			
Tensile Stress	200	MPa	ISO 527
Tensile Strain	3.0	%	ISO 527
Flexural Stress	290	MPa	ISO 178
Flexural Modulus	11000	MPa	ISO 178
Izod Impact Strength (Notched)	18	kJ/m^2	ISO 180
Thermal			
HDT (1.8MPa，120℃/h)	210	℃	ISO 75
Other			
Density	1.45	g/cm^3	ISO 1183
Flammability	HB	Class	UL-94
Mold Shrinkage (MD)	0.3	%	ISO 294
Mold Shrinkage (TD)	0.7	%	ISO 294

Molding Process[2]				
Drying Condition	Temperature	100-120℃		
	Time	4-6 h		
Mold Temperature	80-120 ℃			
Barrel Temperature	Nozzle	Front	Middle	Rear
	250-260℃	250-270℃	240-260℃	220-240℃

Note：[1] These figures are only intended as a guide and should not be used in preparing specifications.
[2] The molding process is only for reference and can be adjusted according to different models and products.