

**PA**

**Property :** PA has the advantages of high mechanical strength, high softening point, good wear resistance, self-lubrication, cushioning, sound deadening, excellent oil and chemical corrosion resistance, and good electrical insulation. Because of these superior performances, PA composite has already replaced some metals being as structural materials.

**PA6 & PA66 Products Series and Specification :**

Product Series	Type	Specification	Description	
PA in the Electronic & Electrical Fields	Ordinary Grade	5010NH	Good Flowability	
		6010NH	Impact Resistance	
	Carbon-fiber Reinforced Grade	50Cx	High Rigidity	
		60Cx	Anti-static Highly Conductivity ( x=3,4,5,6 etc )	
	Flame-retardant Filled Grade	50MxF	Dimensional Stability (Finished Products ) Good Surface Effect ( x=3,4,5,6 etc )	
		60MxF		
		50GMxF-GN	( x=3,4,5,6 etc )	
		60GMxF	Dimensional Stability (Finished Products ) Excellent Comprehensive Properties ( x=3,4,5,6 etc )	
	Flame-retardant Grade	50GxF	Glass-fiber Reinforced Excellent Mechanical Properties( x=3,4,5,6 etc )	
		60GxF		
		60GxF-GN	Halogen-free Glass-fiber Reinforced ( x=3,4,5,6 etc )	
		5010F	Halogen-free	
		6010F	Good Flowability Good Electrical Properties	
	PA in Sport Equipments Field	Super Tough Grade	ST5010	Low Temperature Resistance
			ST6010	Impact Resistance
		Reinforced Grade	ST50Gx	Ultra-high Hardness
ST60Gx			Low Temperature Resistance ( x=3,4,5,6 etc )	
PA in Manufactured Articles of Daily Use	Reinforced Grade	50Gx	High Rigidity	
		60Gx	High Modulus ( x=3,4,5,6 etc )	
		50Gx-LFT	Long Glass-fiber Reinforced	
		60Gx-LFT	Ultra-high Rigidity ( x=6,8,10 etc )	

		50Gx-WR	Good Wear Resistance
		60Gx-WR	Good Comprehensive Properties( x=3,4,5,6 etc )
PA in Automobile Cooling Water Chamber	Reinforced Grade	60Gx-HR	Anti-hydrolysis Refrigerant Resistance ( x=5,6 etc )
		60GM5-HR	25% Mineral Glass-fiber Reinforced Dimensional Stability (Finished Products ) Anti-hydrolysis
		60Gx-CS	Blow-injection Grade High Toughness ( x=3,4 etc )
PA in Internal and External Decorative Parts	Reinforced Grade	50G6-AT	High Rigidity
		60G6-AT	Good Surface Effect
		60GM5-AT	Mineral Glass-fiber Reinforced Dimensional Stability (Finished Products ) Good Comprehensive Properties
	PA6/ABS Alloy	5020	High Impact Resistance Matt Surface Effect
5020Gx		Glass-fiber Reinforced High Toughness ( x=2,3,4 etc )	
PA in Automobile Engine Components	Reinforced Grade	50Gx-HS	High Rigidity
		60Gx-HS	High Temperature Resistance ( x=5,6,7 etc )
	Mineral Filled Grade	50M6	30% Mineral-fiber Filled Size Stability (Finished Products ) Good Surface Effect
		60GxMy	Mineral & Glass-fiber Reinforced Warpage Resistance Good Surface Effect ( x=3,4,5,6 etc; y=3,4,5 etc )

**Notice:**1. In the glass-fiber reinforced products, the actual content of glass fiber=subscript No $\times$ 5,e.g. the actual glass fiber content of 50G6F is 6 $\times$ 5=30%.

2. In the mineral-fiber reinforced products, the actual content of glass fiber=subscript No $\times$ 5,e.g. the actual glass fiber content of 50M6F is 6 $\times$ 5=30%.

Application: Gear, Bearing, Mechanical Component, Household Electrical Components, Automobile Accessories,etc.

