Fujian Yongjuxing New Material Technology Co., Ltd

PA66

Product Name	*Intrinsic viscosity*	*Colour*	*Density*	Data generated directly after machining (standard climate China)
PA6	2.70	Natural	1.15g/cm^3	

Material Properties

- Injection Molding Grade

Main features

- high strength
- good dimensional stability

Target Industries

- mechanical engineering
- automotive industry
- electrical appliances

Mechanical strength	*parameter*	*value*	*unit*	*norm*		*comment*
Tensile strength	50mm/min	74	Mpa	ISO 527-2	1)	1)For tensile test :specimen 1b 2)Specimen 80mm ×10mm×4mm
Elongation at Break	50mm/min	5	%	ISO 527-2		
Flexural Strength	2mm/min	112	Mpa	ISO 178	2)	
Flexural Modulus	2mm/min	2500	Mpa	ISO 178		
Izod Notched Impact Strength	23℃	6	kJ/m^2	ISO 180		
Thermal performance	*parameter*	*value*	*unit*	*norm*		*comment*
Temperature of Deflection Under Load	1.8MPa	225	℃	ISO 75	3)	3)Specimen 80mm ×10mm×4mm
Temperature of Deflection Under Load	0.45MPa	205	℃	ISO 75		
Melting temperature	/	250	℃	ISO 11375		
Electrical properties	*parameter*	*value*	*unit*	*norm*		*comment*
Surface resistivity	/	10^{16}	Ω	/		
Volume resistivity	/	10^{16}	Ω • cm	/		
Other properties	*parameter*	*value*	*unit*	*norm*		*comment*
Water absorption	23℃,24h	1.0	%	ISO 62		
Flammability	/	/	class	UL94		
Solid Filler Content	1h,600℃	/	%	ISO 3451		
Suggested Temperature		250-280	℃			

◈The information in this manual is derived from our research and practical experience. We provide this information in good faith, but it does not constitute any warranty and does not assume liability arising from third party litigation. The typical values listed are for reference only and are not intended as a promise of product quality.

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