

PBT

Properties : PBT/PET is milky-white, semi-transparent to opaque, crystalline thermoplastic polyester. It is one of the advanced engineering plastics with high rigidity, high toughness, good fatigue resistance, weather resistance, low water absorption rate (all the properties maintain under moisture atmosphere including electrical properties), high dielectric ability, good electrical capacity, size stability, good formability, excellent anti-creep ability under high impact, and good chemical properties as well. It is easy to process into glass-fiber reinforced and flame-retardant products. PBT/PET can be ultrasonic welded and easily post-processed.

PBT/PET Products Series & Specification :

Products Series	Type	Specification	Description
PBT in Household Electrical Appliance Field	PBT/ABS Alloy	3020	Dimensional Stability (Finished Products) Good Surface Effect
	Reinforced Grade	30Gx	High Rigidity High Temperature Resistance (x=3,4,5,6,8 etc)
		30GxF	Flame-retardance High Rigidity(x=3,4,5,6 etc)
		30GxF-CTI	Flame-retardance High CTI Value Voltage Resistance(x=3,4,5,6 etc)
PBT in Connector Field	Flame-retardant Special Grade	30GxF-GN	Halogen-free Good Comprehensive Properties (x=3,4,5,6 etc)
		30GxF-UV	Non-yellowing High Rigidity (x=3,4,5,6 etc)
		30GxF-LW	Low Warpage High Rigidity (x=3,4,5,6 etc)
PBT in Energy-saving Lamp Field	Reinforced Grade	30GxF-DT	Dimensional Stability (Finished Products) Heat Resistance (x=3,4,5,6 etc)
		30GxF-DTUV	Anti-UV Dimensional Stability (Finished Products)(x=3,4,5,6 etc)
PBT in Automobile Accessory Field	Filled Grade	30Tx	Platable (x=4,5,6 etc)
	Reinforced Grade	30Gx-AT	High Rigidity High Temperature Resistance (x=3,4,5,6 etc)
		30GxF-AT	Flame-retardance Dimensional Stability (Finished Products)(x=3,4,5,6 etc)
	PBT/ASA Alloy	3022G6	Anti-warpage High Toughness

		3022G6F	Flame-retardance Anti-warpage
	PBT/PET Alloy	3040G6	Dimensional Stability (Finished Products) High Rigidity High Temperature Resistance
		3040M4	Anti-warpage Platable
PET in Electronic & Electrical Field	PET/ABS Alloy	4020	Surface Gloss Anti-warpage
	Flame-retardant Reinforced Grade	40GxF	High Rigidity High Temperature Resistance (x=3,4,5,6 etc)
	Flame-retardant Reinforced Special Grade	40GxF-LMT	Low Mold-temperature Injection Good Comprehensive Properties (x=3,4,5,6 etc)
		40GxF-GN	Halogen-free Good Comprehensive Properties (x=3,4,5,6 etc)
		40GxF-CTI	Voltage Resistance (x=3,4,5,6 etc)
PET in Automobile Component Field	Reinforced Grade	40Gx	High Rigidity High Temperature Resistance (x=3,4,5,6 etc)
PET in Daily Consumer Goods Field	Ordinary Grade	4010 resin	Non-filling Good Flowability
	Flame-retardant Reinforced Grade	40GxF-UV	Non-yellowing (x=3,4,5,6 etc)
		40GxF-LW	Low Warpage (x=3,4,5,6 etc)
		40GxF-HG	Low Warpage (x=3,4,5,6 etc)

Notice: In the glass-fiber reinforced products, the actual glass fiber content=subscript No x5, e.g. the actual glass fiber content of 30G6F is 6x5=30%. The actual filled content of 30T4 is 4x5=20%.

Application : Electric & Electrical, Chemical Machinery, Automobile Industry.

