



XINJIANG BLUE RIDGE TUNHE POLYESTER CO., LTD.

PBT RESIN

Product name: PBT RESIN

Chemical name: Polybutylene terephthalate

CODE NO.: TH6110

Nature:

Nature norm	Unit	Examination	Norm range
Intrinsic viscosity	dl/g	ASTM D5225	1.100 ± 0.015
Melt Index (250°C, 2.16 kg)	g/10min	ASTM D1238-10	15-20
Color L	-	ASTM D5225	≥ 90
Color b	-	ASTM D5225	3.0 ± 2
Melting Point	°C	ASTM D3418-08	≥ 222
Carboxyl End Groups	mol/t	ASTM D5225	≤ 30
Weight of 100 chips	g	GB/T 14190	2.2 ± 0.2
Density	g/cm ³	ASTM D792-08	1.30-1.32
Water	%	GB/T 14190	≤ 0.4
Ash	mg/kg	GB/T 14190	≤ 300
Tensile Strength	MPa	ASTM D638-10	55 ± 5
Elongation at break	%	ASTM D638-10	≥ 200
Notched impact strength (Cantilever beam)	J/m	ASTM D256-10	≥ 40
Dielectric strength	kV/mm	ASTM D149-09	≥ 20

Storage and drying: PBT resin is non dangerous material, no special requirements for transportation, but there should be certain protective measures in the transportation process, strictly prevent it from moisture, pollution and damage, usual means of transport is available for this product, container transportation is also available. And it shall not throwing discharge, to prevent breakage. PBT resin should be stored in a cool, dry and ventilated place, and dustproof measures is required.

Safety and operation: TH6110 MSDS can be obtained from the manufacturer or dealer, in the operation process or before use, reading MSDS is suggested.

Processing performance: Can be used for The optical fiber sheath by Increasing viscosity, or for electronic and electrical appliances and automotive engineering plastic after reinforced by modifications, there should be drying treatment before use, drying conditions: 140 °C, 3h; or 120 °C, 4h; 105 °C, 8h.