



ISO-9001 Certified
ISO-14001 Certified
OHSAS 18001 Certified

台灣長春集團
TAIWAN CHANG CHUN GROUP

長春化工(江蘇)有限公司
CHANG CHUN CHEMICAL (JIANGSU) CO., LTD.

聚丁烯對苯二甲酸酯純樹脂
PBT RESIN

Engineering Plastics
Polybutylene Terephthalate

GRADE 規格	1200-211D	1200-211L	1200-211M	1200-211F	1100-211D	1100-211L
Intrinsic Viscosity (dl/g) 特性黏度	0.75±0.0015	0.79±0.015	0.83±0.015	0.85±0.015	0.88±0.015	0.94±0.015
COOH Groups (meq/kg) 羧基/酸價	≤25	≤25	≤25	≤25	≤25	≤25
color L*	≥85	≥85	≥85	≥85	≥85	≥85
color b*	≤2	≤2	≤2	≤2	≤2	≤2
Melting Flow Index (g/10 min)@235°C	70-90	50-70	42-55	35-50	32-42	23-30
Melting Flow Index (g/10 min)@250°C	101-126	80-105	64-80	50-64	47-60	35-44
Specific Gravity 比重	1.30-1.32	1.30-1.32	1.30-1.32	1.30-1.32	1.30-1.32	1.30-1.32
Tensile Strength (kg/cm ²) 引張強度	500-600	500-600	500-600	500-600	500-600	500-600
Tensile Elongation (%) 引張伸長率	≥30	≥30	≥50	≥50	≥50	≥90
Izod Impact Strength (kg-cm/cm) 衝擊強度	≥4.0	≥4.0	≥4.5	≥4.5	≥4.5	≥4.5
Dielectric Strength (kV/mm) 電介質強度	≥20	≥20	≥20	≥20	≥20	≥20
Melting Point (°C) 熔點	225±2	225±2	225±2	225±2	225±2	225±2
Water content (wt%) 含水率	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

GRADE 規格	1100-211M	1100-211MB	1100-211H	1100-211S	1100-211XG	1100-211X
Intrinsic Viscosity (dl/g) 特性黏度	1.00±0.015	1.06±0.015	1.10±0.02	1.20±0.02	1.23±0.02	1.30±0.02
COOH Groups (meq/kg) 羧基/酸價	≤30	≤30	≤30	≤35	33~40	≤40
color L*	≥85	≥85	≥85	≥85	≥85	≥85
color b*	≤2	≤2	≤3	≤3	≤4	≤4
Melting Flow Index (g/10 min)@235°C	18-22	14-18	11-14	7-10	4-7	4-7
Melting Flow Index (g/10 min)@250°C	27-32	21-26	17-22	11-16	6-17	6-17
Specific Gravity 比重	1.30-1.32	1.30-1.32	1.30-1.32	1.30-1.32	1.30-1.32	1.30-1.32
Tensile Strength (kg/cm ²) 引張強度	500-600	500-600	500-600	500-600	500-600	500-600
Tensile Elongation (%) 引張伸長率	≥120	≥120	≥150	≥180	≥180	≥200
Izod Impact Strength (kg-cm/cm) 衝擊強度	≥5.0	≥5.0	≥5.5	≥6.0	≥6.0	≥6.0
Dielectric Strength (kV/mm) 電介質強度	≥20	≥20	≥20	≥20	≥20	≥20
Melting Point (°C) 熔點	225±2	225±2	225±2	225±2	225±2	225±2
Water content (wt%) 含水率	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

1. I.V. is analyzed by Phenol / Tetrachloroethane=3:2 solvent in 30°C.
2. The analyzed of M.I. is determined in 235°C, 2.16kg.
3. The physical property table is for reference only.
4. Packing : 25 kg/paper bag or 900 kg/super sack or ISO container(Bulk Loading)

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聚丁烯對苯二甲酸酯純樹脂 PBT RESIN

Engineering Plastics Polybutylene Terephthalate

CCP PBT樹脂特性/Characteristics of CCP PBT resin

- 1.結晶速度快，易成型，成形週期短/It is easy to be molded with fast crystallization.
- 2.融點高達 225℃，耐熱性佳/With melting point as high as 225℃, it provides excellent heat resistance.
- 3.玻璃纖維強化，機械強度大/After reinforced by fiber glass, mechanical strength is increased.
- 4.吸水率低，尺寸安定性佳/It has low moisture absorption and excellent size stability.
- 5.磨擦係數低，耐磨耗(玻璃強化級亦然)/Its low friction coefficient enables good anti-abrasion property.
- 6.耐化學品、溶劑、耐候性佳/It is highly resistant to chemicals, solvents, and weatherproof.
- 7.彎曲蠕變性質佳/It offers excellent flexural property.
- 8.可製成難燃級，符合 UL 94V-0 要求/With further processing, it can be upgrade to flame-retardant grade to match (UL 94V-0) requirement
- 9.介電强度高，電氣性質佳/ With high permittivity, its electrical properties is further enhanced.
- 10.可以超音波熔接，組立加工容易/It can be welded by supersonic, so assembly is greatly simplified.

PBT樹脂之應用/Application of PBT Resin

- 1.PBT纖維/PBT Fiber
- 2.光纖電纜披覆/Optical Cable Coatings
- 3.PBT膜/PBT film
- 4.PBT色母/PBT Master Batch
- 5.玻纖強化複合材料/Glass-Fiber Reinforced PBT Compound
- 6.阻燃級複合材料/Flame Retardant Grade PBT Compound
- 7.電子、電氣、汽車等工業零配件/Electronic Parts、Electrical Parts and Auto Parts

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