

CCP PBT Pure Resin

PBT (Polybutylene Terephthalate)



Quality Specifications

Physical property	Analysis Method	Unit	Grade						
			1200-211L	1200-211M	1100-211L	1100-211M	1100-211H	1100-211S	1100-211X
Intrinsic Viscosity	ASTM D2857	dl/gr	0.79 ± 0.02	0.83 ± 0.02	0.94 ± 0.02	1.00 ± 0.02	1.10 ± 0.02	1.20 ± 0.02	1.30 ± 0.02
Carboxyl End Groups	Titrimetric Method	meq/kg	<= 50	<= 50	<= 50	<= 50	<= 45	<= 45	<= 45
Color L	Color Difference Meter	--	>= 84	>= 84	>= 84	>= 84	>= 87	>= 87	>= 87
Color b	Color Difference Meter	--	<= 2	<= 2	<= 3	<= 3	<= 4	<= 4	<= 4
Melting Flow Index	ASTM D1238	g/10min	50-64	41-50	23-29	18-22	11-14	8-10	4-7
Specific Gravity	ASTM D792	--	1.30-1.32	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	ASTM D638	kg/cm ²	500-600	500-600	500-600	500-600	500-600	500-600	500-600
Tensile Elongation	ASTM D638	%	>= 30	>= 50	>= 90	>= 120	>= 150	>= 180	>= 200
Izod Impact Strength	ASTM D256	kg-cm/cm	>= 4.0	>= 4.5	>= 4.5	>= 5.0	>= 5.5	>= 6.0t	>= 6.0
Dielectric Strength	ASTM D149	KV/mm	>= 20	>= 20	>= 20	>= 20	>= 20	>= 20	>= 20
Melting Point	DSC	°C	225 ± 2	225 ± 2	225 ± 2	225 ± 2	225 ± 2	225 ± 2	225 ± 2

1. I.V. is analyzed by Dichloro acetic acid solvent in 25°C
2. The analyzed of M.I. Is determined in 235 °C, 2.16kg
3. Packing :
 - * in 25 kg multiple bag (2-ply Krafty Paper, 1-ply PE coated)
 - * in 850 kg super sack (PP woven bag with one PE inner liner)
4. The physical property table is for reference only
5. CCP has implemented ISO 9000 and has been verified ISO 9002 by the Bureau of Commodity Inspection and Quarantine, Ministry of Economic Affairs in 1994
6. CCP has implemented ISO 14000 and has been verified ISO 14004 by the Bureau of Commodity Inspection and Quarantine, Ministry of Economic Affairs in 1996
7. The physical property table is for reference only

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