CHANG CHUN PLASTICS CO., LTD.

NO. 301, SONGKIANG ROAD, 7TH FL.,TAIPEI, 10477 TAIWAN
TEL : 886-2-2503-8131 (REF) FAX : 886-2- 2501-8018

CCP PBT 4330G-NCT0
THERMOPLASTIC POLYESTER RESIN

Product Description			
4330G-NCT0 is a 30% glass fiber reinforced and flame-retardant injection-molding grade.			
Characteristics			
Processing	• Injection Molding		
Deliver form	• Pellets		
Additives	• Glass fiber • Flame retardant • Release agent		
General information	**Value**		**Test Method**
Part Marking Code	>PBT-GF30 FR(17)<		ISO 11469
Physical properties	**Value**	**Unit**	**Test Method**
Density	1.68	g/cm^3	ISO 1183
Moulding shrinkage, parallel	0.3-0.5	%	ISO 294-4, 2577
Moulding shrinkage, normal	0.8-1.1	%	ISO 294-4, 2577
Moisture	0.04	%	ISO 62
Mechanical properties	**Value**	**Unit**	**Test Method**
Stress at break	135	MPa	ISO 527-1/-2
Strain at break	1.5	%	ISO 527-1/-2
Flexural Strength	185	MPa	ISO 178
Flexural Modulus	9000	MPa	ISO 178
Charpy impact strength – notched			ISO 179/1eA
23℃	8.0	kJ/m^2	
Thermal properties	**Value**	**Unit**	**Test Method**
Melting temperature, 10℃/min	225	℃	ISO 11357-1/-3
Heat deflection temperature under load			ISO 75-1/-2
1.80 Mpa	200	℃	
Flammability	**Value**	**Unit**	**Test Method**
Flammability acc. to UL94, 0.8 mm thickness	V-0	-	UL 94
Glow Wire Flammability Index			IEC 60695-2-12
0.74mm	960	℃	
1.6mm	960	℃	

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3.0mm	960	℃	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.74mm	850	℃	
1.6mm	825	℃	
3.0mm	900	℃	
Electrical properties	**Value**	**Unit**	**Test Method**
Electric strength, 2mm	20	kV/mm	IEC 60243-1
Volume resistivity	$>10^{13}$	Ω*m	IEC 60093
Surface resistivity	10^{13}	Ω	IEC 60093
Comparative tracking index, PLC level	2	-	UL 746A
Injection molding			
Pre-drying :	120℃, 5hours or longer 140℃, 3hours or longer		
Processing moisture content :	=< 0.04%		
Resin temperature :	240~270℃		
Mold temperature :	40~80℃		

These property values are typical values obtained under varying conditions prescribed by certain standards and test methods and therefore are not the minimum values of the material specifications.