



ChangZhou Yiyi International Trading Co., Ltd.

PET 3030F

Product description	
Material designation	>PET-V0<
Colour	Natural colour
UL file number	E97523
Application	
Material properties	Low warp, high strength, high rigidity, high flow, easy molding, easy to process, easy to mold, low creep
Material shape	Pellet
Processing method	Injection molding

Physical property	Condition	Test standard	Data	Unit
Specific Gravity		ISO 1183	1.71	g/cm ³
Shrinkage rate	MD	ISO 294-4	0.40-0.80	%
Water absorption rate	(23°C,24hr)	ISO 62	0.08	%

Mechanical property	Condition	Test standard	Data	Unit
Tensile Strength	23°C	ISO 527-2	115	Mpa
Elongation at Break	23°C	ISO 527-2	2.10	%
Flexural strength	23°C	ISO 178	190.00	Mpa
Flexural Modulus	23°C	ISO 178	9800	Mpa
Notched charpy impact strength of simply supported beam	23°C	ISO 179/1eA	8.00	KJ/m ²
Non-notched impact strength of simply supported beam	23°C	ISO 179/1eU	35	KJ/m ²

Thermal property	Condition	Test standard	Data	Unit
	1.80Mpa	ISO 75f	225	°C

Electrical properties	Condition	Test standard	Data	Unit
Volume resistance		IEC 60093	1.0E -14	Ω.cm
Insulation strength		IEC 60243-1	30	KV/mm
Dielectric constant		IEC 60250	3.50	60Hz
Dissipation factor		IEC 60250	0.016	60Hz

Flame resistance	Condition	Test standard	Data	Unit
Fire protection grade	ALL	UL-94	0.40mm	V-0
Fire protection grade	ALL	UL-94	0.80mm	V-0
Fire protection grade	ALL	UL-94	0.88mm	V-0