

TECHNICAL DATA SHEET

# PBT-6730

ChangChun Group  
PBT-GF30

**Delivery Form**

Pellets

Flame retardant

**Features**

Low warpage

**Special Characteristics**

Processing/Physical Characteristics	Value	Unit	Standard
Mold shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold shrinkage, TD	0.0045	mm/mm	ASTM D 955

Mechanical Properties	Value	Unit	Standard
Tensile strength	105	MPa	ASTM D 638
Flexural modulus	7358	MPa	ASTM D 790
Flexural strength	159	MPa	ASTM D 790
Rockwell hardness	M 87		ASTM D 785
Izod impact notched, 1/4 in	75.42	J/m	ASTM D 256

Thermal Properties	Value	Unit	Standard
UL 94 flame rating	V-0		UL 94
Thickness tested	0.8	mm	
Coefficient of thermal expansion, MD	25	E-6/K	ASTM D 696
DTUL @ 66 psi	200	°C	ASTM D 648
DTUL @ 264 psi	140	°C	ASTM D 648
Melting temperature	225	°C	ASTM D 3418

Electrical Properties	Value	Unit	Standard
Dielectric strength, short time	20	kV/mm	ASTM D 149
Dissipation factor, 60 Hz	0.001		ASTM D 150
Dielectric constant, 60 Hz	3.5		ASTM D 150
Surface resistivity	1E13	Ohm	ASTM D 257
Volume resistivity	>1E15	Ohm*cm	ASTM D 257
Arc resistance	90	s	ASTM D 495

# PBT-6730

ChangChun Group

Other Properties	Value	Unit	Standard
Water absorption, 24hr	0.03	%	ASTM D 570
Density	1600	kg/m <sup>3</sup>	ASTM D 792