

TECHNICAL SPECS													
Model name	Package specs	Density	The melt flow rate(190 ,2.16Kg)	Water absorption rate (saturated, 23° C)	Tensile Strength	Bending Strength	Flexural modulus	Notched impact strength (IZOD, 23° C)	Elongation at break	Heat distortion temperature	Diameter	Roundness deviation	Color
PLA+ (PRO)	0.5/1.0Kg	1.25±0.05g/cm3	5~7g/10min	0.50%	≥50MPa	≥50MPa	≥2300MPa	≥50J/m (ASTM D256)	≥10%	≥55°C	±0.05mm	≤0.05mm	Nature, Black, White, Red, Yellow, Blue, Green, Orange, Pink, Grey,Rose, Purple, Brown, Gold, Silver
PETG	0.5/1.0Kg	1.27±0.05g/cm3	5~7g/10min	0.30%	≥52MPa	≥88MPa	≥2200MPa	—	≥150.0%	≥70°C	±0.05mm	≤0.05mm	Nature, White, Yellow, Green, Blue, Rose, Red,Black
ABS Pro	0.5/1.0Kg	1.08±0.2g/cm3	2~4g/10min	1%	≥53MPa	≥70MPa	≥2300MPa	≥108J/m (ASTM D256) ≥19KJ/m2 (ISO179)	≥30.0%	≥88°C	±0.05mm	≤0.05mm	Nature, Black, White, Red, Yellow, Blue, Green, Orange, Pink, Grey, Purple, Brown, Gold, Silver
ABS	0.5/1.0Kg	1.04±0.2g/cm3	2~4g/10min	1%	≥43MPa	≥70MPa	≥2300MPa	≥108J/m (ASTM D256) ≥19KJ/m2 (ISO179)	≥30.0%	≥88°C	±0.05mm	≤0.05mm	Nature, Black, White, Red, Yellow, Blue, Green, Orange, Pink, Grey, Purple, Brown, Gold, Silver
HIPS	0.5/1.0Kg	1.04±0.2g/cm3	2~5g/10min	1%	≥30MPa	≥60MPa	≥1800MPa	≥100J/m (ASTMD256)	≥50.0%	≥90°C	±0.05mm	≤0.05mm	Nature, Black, White, Red, Yellow, Blue
METAL FILL (Copper Bronze, Aluminum)	0.5/1.0Kg	1.45±0.05g/cm3	5~7g/10min	1%	≥50MPa	≥50MPa	—	≥16J/m (ASTM D256)	≥2.0%	≥50°C	±0.05mm	≤0.05mm	Copper, Bronze,Aluminum
TPE75 (ELASTIC)	0.5Kg	1.20±0.05g/cm3	2~4g/10min	0.50%	≥35MPa	≥35MPa	—	—	≥700.0%	—	±0.05mm	≤0.05mm	Nature, Black, White, Red, Yellow, Blue, Green, Orange, Pink
TPU95 (FLEXIBLE)	0.5/1.0Kg	1.25±0.05g/cm3	3~6g/10min	0.50%	≥35MPa	≥35MPa	—	—	≥350.0%	≥90°C	±0.05mm	≤0.05mm	Nature, Black, White, Red, Yellow, Blue, Green, Orange, Pink
PA (NYLON)	0.5/1.0Kg	1.01±0.05g/cm3	5~7g/10min	0.50%	≥50MPa	≥60MPa	≥1500MPa	≥105J/m (ASTM D256)	≥150.0%	≥100°C	±0.05mm	≤0.08mm	Nature,White,Black
PC	0.5/1.0Kg	1.20±0.05g/cm3	19~21g/10min (300°C, 1.2Kg)	0.50%	≥50MPa	—	≥2200MPa	≥700J/m (ASTM D256)	≥50.0%	≥125°C	±0.05mm	≤0.05mm	Nature
Pearl	0.5/1.0Kg	1.25±0.05g/cm3	3~5g/10min	0.50%	≥50MPa	≥50MPa	≥2300MPa	≥25J/m (ASTM D256)	≥15.0%	≥55°C	±0.05mm	≤0.05mm	Nature, Black, White, Red, Yellow, Blue, Green, Orange, Pink, Grey, Purple, Brown, Gold, Silver
PLA	0.5/1.0Kg	1.25±0.05g/cm3	5~7g/10min	0.00%	≥60MPa	≥60MPa	≥2500MPa	≥16J/m (ASTM D256)	≥3.0%	≥55°C	±0.05mm	≤0.05mm	Nature, Black, White, Red, Yellow, Blue, Green, Orange, Pink, Rose , Grey, Purple, Brown, Gold, Silver, Transparent Red, Transparent Blue, Transparent Green, Transparent Orange, Transparent Yellow
HS PLA	0.5/1.0Kg	1.25±0.05g/cm3	8~12g/10min	0.50%	≥60MPa	≥60MPa	≥2500MPa	≥16J/m (ASTM D256)	≥3.0%	≥55°C	±0.05mm	≤0.05mm	Black, Red(485C), Red(484C), Blue, Yellow, Green, Orange, Purple
PP	0.5Kg	0.93±0.05g/cm3	20~22g/10min	0.50%	≥20MPa	≥20MPa	≥1000MPa	≥32J/m (ASTM D256)	≥500.0%	≥100°C	±0.05mm	≤0.08mm	Nature
PVA	0.5Kg	1.25±0.05g/cm3	2~4g/10min	—	≥10MPa	≥15MPa	≥190MPa	≥16J/m (ASTM D256)	≥11.0%	≥55°C	±0.08mm	≤0.08mm	Nature
COLOR CHANGE (Temp. 33)	0.5/1.0Kg	1.25±0.05g/cm3	5~7g/10min	0.50%	≥60MPa	≥60MPa	≥2500MPa	≥16J/m (ASTM D256)	≥3.0%	≥55°C	±0.05mm	≤0.05mm	Orange to Yellow, Purple to Rose, Grey to White, Brown to Green
WOOD	0.5/1.0Kg	1.20±0.05g/cm3	5~7g/10min	0.50%	≥40MPa	≥40MPa	—	≥5J/m (ASTM D256)	≥2.0%	≥50°C	±0.05mm	≤0.05mm	Light,Dark
MARBLE	0.5/1.0Kg	1.25±0.05g/cm3	5~7g/10min	0.50%	≥60MPa	≥60MPa	≥2500MPa	≥16J/m (ASTM D256)	≥3.0%	≥55°C	±0.05mm	≤0.05mm	Black, Brown
PA-CF	1.0Kg	1.24±0.05g/cm3	3~4g/10min	0.30%	≥130MPa	—	—	≥35KJ/m2 (ISO179)	≥2%	≥90°C	±0.05mm	≤0.05mm	Black
ASA	0.5/1.0Kg	1.09±0.01g/cm3	3~4g/10min	1.00%	≥45Mpa	≥65Mpa	≥2200MPa	≥14KJ/m2 (ISO179)	—	≥80°C	±0.05mm	≤0.05mm	Natural, White, Black
PLA MATTE	0.5/1.0Kg	1.25±0.05g/cm3	5~7g/10min	0.50%	≥50MPa	≥50MPa	≥2300MPa	≥50J/m (ASTM D256)	≥10%	≥55°C	±0.05mm	≤0.05mm	Nature, Black, White, Red, Yellow, Blue, Green, Orange, Pink, Grey,Rose, Purple, Brown, Gold, Silver
PLA SILK	0.5/1.0Kg	1.25±0.05g/cm3	5~7g/10min	0.50%	≥50MPa	≥50MPa	≥2300MPa	≥50J/m (ASTM D256)	≥10%	≥55°C	±0.05mm	≤0.05mm	Nature, Black, White, Red, Yellow, Blue, Green, Orange, Pink, Grey,Rose, Purple, Brown, Gold, Silver