

NOVALLOY -B

[Properties]  HTML

Novalloy B is PBT/ABS polymer alloy. Heat resistance, chemical resistance, and rigidity of PBT and processability of ABS are balanced.

Filler reinforced grades have DTUL higher than 200 °C, it is possible to replace PBT/PET in electronic parts and working parts.

General purpose grades

- Chemical resistant and low friction and wear
- Used in vending machine parts.

Filler reinforced grades

- Used for chassis and carriage of printers, due to high rigidity, heat resistance, and chemical resistance.
- Used in frame of loudspeakers, with reason of adhesion performance.

Filler reinforced and flame retardant grades

- Used for connector of home video game machine, MPU cooling fan, and toner parts in LBP/PPC.

[Typical Settings of Processing]

Grades	Preliminary drying	Barrel temperature (°C)				Screw rotation (rpm)	Back pressure (MPa)	Mold temperature (°C)
		Nozzle	C3	C2	C1			
B1300/B1300F	3-5 hrs	230-250	240-250	220-240	190-230	50-90	5-20	60-80
B1500/B1500F	80-120 °C							
B1700/B1700F	3-5 hrs	230-250	240-250	220-240	190-230	50-90	5-20	60-80
B14M0	80-120 °C							
B2504, B2506	3-5 hrs	230-250	240-250	220-240	190-230	50-90	5-20	60-80
B2703, B2706	80-120 °C							
B3708(K)								
B45M0, B5524	3-5 hrs	230-250	240-250	220-240	190-230	50-90	5-20	60-80
B5526, B5546 (D)	80-120 °C							
B5723, B5726, B5746(D), B5746(J), B6528, B6726								

**CELPURGE MA2" is recommendable for purging of Novalloy B.

For purging of filled grades or carbonized contamination, "CELPURGE AW2 / high cleaning type" or "CELPURGE AG4 / super cleaning type" is especially recommendable.

MSDS / Properties