

Ecomass Compounds

Base Resin	NYLON 6 (Polyamide 6)
Compound Type E	Ecomass Compound - 1800 Series - High and Med. Density
Processing Method	Injection Molding
Process Guidelines	
Processing Conditions	Material Drying
• Melt Temperature Range $260 - 290C (500 - 58)$ • Mold Temperature Range $60 - 95C (135 - 2008)$ • Injection PressureAs required• Pack (Hold) Pressure $65 - 80\%$ of IP• Back Pressure $3 - 7$ bar (50 - 100 ps)• Injection SpeedMedium - Fast• Screw Speed $50 - 100$ rpm• Fill Time $2.5 - 5$ cm/s ($1 - 2$ "/s)• Pack (Hold) Time ² Max. part weight• Cooling Time $6 - 12mm (0.25 - 0.5)$	 F) Drying Temperature Range 75 - 80C (165 - 175F Typical Drying Time¹ 4 - 6 hours Do Not Exceed 95C (200F), >3 hrs Dryer Dew Point
Molding Machine Requirements • Screw L/D	 Safety / Purging Maintain adequate ventilation. Wear safety glasses & protective clothing. Do not mix with other materials. Avoid excessive residence time in the barrel. (Purge if extended residence time is anticipated) Use extreme caution at melt temp. > 350C
Abrasion Resistant Screw, Barrel & Check Ring	commercial purge compound as recommended.

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