



## Technical Data Sheet

Grade

**MWR PP8100GC30**

### Product Description:

Polypropylene 30% Glass Fiber Reinforced Chemically Coupled

Physical Properties	Method	English	SI
Specific Gravity	D 792	-	1.130
Melt Flow Rate (230/2.16)	D 1238	-	5.0 g/10 minutes
Linear Mold Shrinkage (Typical)	D 955	0.003 in/in	0.003 mm/mm
Mechanical Properties	Method	English	SI
Tensile Strength at Yield	D 638	11500 psi	79.3 Mpa
Tensile Elongation at Yield	D 638	4.2 %	4.2 %
Tensile Elongation at Break	D 638	4.5 %	4.5 %
Flexural Modulus (Tangent)	D 790	790000 psi	5450 Mpa
Izod Impact (notched)	D 256	1.6 ft-lb/in	86 J/m
Thermal Properties	Method	English	SI
Heat Deflection Temperature at 66 psi	D 648	310 F	154 C
Heat Deflection Temperature at 264 psi	D 648	290 F	143 C
Processing (Injection Molding)		English	SI
Drying Temperature		175 F	79 C
Drying Time		3 hrs	3 hrs
Max Moisture Content		0.20 %	0.20 %
Rear Barrel Temperature		400 F	204 C
Middle Barrel Temperature		410 F	210 C
Front Barrel Temperature		420 F	216 C
Nozzle Temperature		420 F	216 C
Stock Temperature		420 F	216 C
Mold Temperature		80 F	27 C

### Comments:

Drying is not typically necessary.

Values shown are averages and not to be construed as specifications.

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