Technical Data Sheet

Grade

MWR PP8200GC20

Product Description:

Polypropylene 20% Glass Fiber Reinforced Chemically Coupled Impact Modified

Physical Properties	Method	English	SI
Specific Gravity	D 792	-	1.040
Melt Flow Rate (230/2.16)	D 1238	-	8.0 g/10 minutes
Linear Mold Shrinkage (Typical)	D 955	0.004 in/in	0.004 mm/mm

Mechanical Properties	Method	English	SI
Tensile Strength at Yield	D 638	8100 psi	55.86 Mpa
Tensile Elongation at Yield	D 638	4.0 %	4.0 %
Tensile Elongation at Break	D 638	5.0 %	5.0 %
Flexural Modulus (Tangent)	D 790	380000 psi	2620 Mpa
Izod Impact (notched)	D 256	3.0 ft-lb/in	160 J/m

Thermal Properties	Method	English	SI
Heat Deflection Temperature at 66 psi	D 648	290 F	143 C
Heat Deflection Temperature at 264 psi	D 648	275 F	135 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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