



Technical Data Sheet

Grade

MWR PA66 4200GF13HS

Product Description:

Polyamide (nylon) 66 13% Glass Fiber Reinforced Heat Stabilized (non-lubricated)

Physical Properties	Method	English	SI
Relative Density	ISO 1183	-	1.230
Melt Point	ISO 3146	500 F	260 C
Linear Mold Shrinkage (Typical)	D 955	0.005 in/in	0.005 mm/mm
Mechanical Properties	Method	English	SI
Tensile Strength at Break	ISO 527	-	110 Mpa
Tensile Elongation at Break	ISO 527	-	3.0 %
Flexural Modulus	ISO 178	-	4900 Mpa
Izod Impact (notched)	ISO 180	-	4.5 kJ/m ²
Thermal Properties	Method	English	SI
Heat Deflection Temperature at 0.45 Mpa	ISO 75-2	-	260 C
Heat Deflection Temperature at 1.8 Mpa	ISO 75-2	-	240 C
Processing (Injection Molding)	English		SI
Drying Temperature	175	F	79 C
Drying Time	4	hrs	4 hrs
Max Moisture Content	0.2	%	0.20 %
Rear Barrel Temperature	540	F	282 C
Middle Barrel Temperature	550	F	288 C
Front Barrel Temperature	560	F	293 C
Nozzle Temperature	560	F	293 C
Stock Temperature	560	F	293 C
Mold Temperature	160	F	71 C

Comments:

All properties tested dry as molded.

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

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