



Technical Data Sheet

Grade

MWR PA66 4200

Product Description:

Polyamide (nylon) 66 unfilled

Physical Properties	Method	English	SI
Density	ISO 1183	-	1.140 g/cm ³
Melt Point	D 789	503 F	262 C
Linear Mold Shrinkage (Typical)	D 955	0.014 in/in	0.014 mm/mm
Mechanical Properties	Method	English	SI
Tensile Strength at Yield	ISO 527	-	80.0 Mpa
Tensile Elongation at Yield	ISO 527	-	4.3 %
Flexural Modulus	ISO 178	-	2900 Mpa
Izod Impact (notched)	ISO 180	-	5.5 kJ/m ²
Thermal Properties	Method	English	SI
Heat Deflection Temperature at 0.45 Mpa	ISO 75-2	-	190 C
Heat Deflection Temperature at 1.8 Mpa	ISO 75-2	-	70 C
Processing (Injection Molding)		English	SI
Drying Temperature		175 F	79 C
Drying Time		4 hrs	4 hrs
Max Moisture Content		0.20 %	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		175 F	79 C

Comments:

All properties tested using dry as molded specimens.

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

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