



Technical Data Sheet

Grade

MWR PA6 K4100GFMN40

Product Description:

Nylon 6 40% Glass/Mineral (15% Glass Fiber/25% Mineral)

Physical Properties	Method	English	SI
Specific Gravity	D 792	-	1.490
Melt Point	D 789	428 F	220 C
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	17000 psi	117 Mpa
Tensile Elongation at Break	D 638	3.0 %	3.0 %
Flexural Modulus (Tangent)	D 790	1100000 psi	7590 Mpa
Izod Impact (notched)	D 256	0.80 ft-lb/in	43 J/m
Thermal Properties	Method	English	SI
Heat Deflection Temperature at 264 psi	D 648	394 F	201 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		490 F	254 C
Middle Barrel Temperature		500 F	260 C
Front Barrel Temperature		510 F	266 C
Nozzle Temperature		510 F	266 C
Stock Temperature		520 F	271 C
Mold Temperature		170 F	77 C

Comments:

None

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

www.midwestresins.com