



Technical Data Sheet

Grade

PBT MWR T7100GF30

Product Description:

Polyester (Polybutylene Terephthalate) 30% Glass Fiber Reinforced

Physical Properties	Method	English	SI
Specific Gravity	D 792	-	1.520
Linear Mold Shrinkage With Flow (Typical)	D 955	0.003- 0.005 in/in	0.003- 0.005 mm/mm
Linear Mold Shrinkage Across Flow(Typical)	D 955	0.005- 0.010 in/in	0.005- 0.010 mm/mm
Mechanical Properties	Method	English	SI
Tensile Strength at Break	D 638	17000 psi	117 Mpa
Tensile Elongation at Yield	D 638	2.5 %	2.5 %
Flexural Modulus (Tangent)	D 790	1200000 psi	8280 Mpa
Izod Impact (notched)	D 256	1.0 ft-lb/in	53 J/m
Thermal Properties	Method	English	SI
Heat Deflection Temperature at 66 psi	D 648	425 F	218 C
Heat Deflection Temperature at 264 psi	D 648	395 F	202 C
Processing (Injection Molding)		English	SI
Drying Temperature		250 F	121 C
Drying Time		3 hrs	3 hrs
Max Moisture Content		0.02 %	0.02 %
Rear Barrel Temperature		460 F	238 C
Middle Barrel Temperature		470 F	243 C
Front Barrel Temperature		480 F	249 C
Nozzle Temperature		480 F	249 C
Stock Temperature		480 F	249 C
Mold Temperature		170 F	77 C

Comments:

none

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

www.midwestresins.com