



Technical Data Sheet

Grade
PBT MWR T7100

Product Description:

Polyester (Polybutylene Terephthalate)

Physical Properties	Method	English	SI
Specific Gravity	D 792	-	1.310
Linear Mold Shrinkage With Flow (Typical)	D 955	0.015-	0.015-
		0.023 in/in	0.023 mm/mm
Linear Mold Shrinkage Across Flow(Typical)	D 955	0.016-	0.016-
		0.024 in/in	0.024 mm/mm
Mechanical Properties	Method	English	SI
Tensile Strength at Yield	D 638	7400 psi	51 Mpa
Tensile Elongation at Break	D 638	200.0 %	200.0 %
Flexural Modulus (Tangent)	D 790	340000 psi	2340 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	310 F	154 C
Heat Deflection Temperature at 264 psi	D 648	129 F	54 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.

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