



Technical Data Sheet

Grade

MWR PC/PBT MT11210

Product Description:

Polycarbonate/Polyester (PBT) Alloy

Physical Properties	Method	English	SI
Specific Gravity	D 792	-	1.220
Melt Flow Rate (260/5.0)	D 1238	-	20 g/10 minutes
Linear Mold Shrinkage (Typical)	D 955	0.009 in/in	0.009 mm/mm
Mechanical Properties	Method	English	SI
Tensile Strength at Yield	D 638	7700 psi	53.1 Mpa
Tensile Elongation at Break	D 638	120 %	120 %
Flexural Modulus (Tangent)	D 790	295000 psi	2030 Mpa
Izod Impact (notched)	D 256	13 ft-lb/in	700 J/m
Thermal Properties	Method	English	SI
Heat Deflection Temperature at 66 psi	D 648	240 F	116 C
Heat Deflection Temperature at 264 psi	D 648	205 F	96 C
Processing (Injection Molding)		English	SI
Drying Temperature		215 F	102 C
Drying Time		4 hrs	4 hrs
Max Moisture Content		0.01 %	0.01 %
Rear Barrel Temperature		480 F	249 C
Middle Barrel Temperature		490 F	254 C
Front Barrel Temperature		500 F	260 C
Nozzle Temperature		500 F	260 C
Stock Temperature		500 F	260 C
Mold Temperature		170 F	77 C

Comments:

None

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

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