



Technical Data Sheet

Grade

MWR PPH8100TL10

Product Description:

Polypropylene Homopolymer 10% Talc Filled

Physical Properties	Method	English	SI
Specific Gravity	D 792	-	0.980
Melt Flow Rate (230/2.16)	D 1238	-	10 g/10 minutes
Linear Mold Shrinkage (Typical)	D 955	0.012 in/in	0.012 mm/mm
Mechanical Properties	Method	English	SI
Tensile Strength at Yield	D 638	4900 psi	33.79 Mpa
Tensile Elongation at Break	D 638	22 %	22 %
Flexural Modulus (Tangent)	D 790	270000 psi	1860 Mpa
Izod Impact (notched)	D 256	0.90 ft-lb/in	48 J/m
Hardness (Rockwell)	D 785	90 R	90 R
Thermal Properties	Method	English	SI
Heat Deflection Temperature at 66 psi	D 648	245 F	118 C
Heat Deflection Temperature at 264 psi	D 648	145 F	63 C
Processing (Injection Molding)		English	SI
Drying Temperature		175 F	79 C
Drying Time		3 hrs	3 hrs
Max Moisture Content		0.20 %	0.20 %
Rear Barrel Temperature		400 F	204 C
Middle Barrel Temperature		410 F	210 C
Front Barrel Temperature		420 F	216 C
Nozzle Temperature		420 F	216 C
Stock Temperature		420 F	216 C
Mold Temperature		120 F	49 C

Comments:

Drying will improve appearance

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

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