



Technical Data Sheet

Grade

MWR PPH8100TL40

Product Description:

Polypropylene Homopolymer 40% Talc Filled

Physical Properties	Method	English	SI
Specific Gravity	D 792	-	1.240
Melt Flow Rate (230/2.16)	D 1238	-	8 g/10 minutes
Linear Mold Shrinkage (Typical)	D 955	0.007 in/in	0.007 mm/mm
Mechanical Properties	Method	English	SI
Tensile Strength at Yield	D 638	4500 psi	31.03 Mpa
Tensile Elongation at Break	D 638	10 %	10 %
Flexural Modulus (Tangent)	D 790	450000 psi	3100 Mpa
Izod Impact (notched)	D 256	0.50 ft-lb/in	27 J/m
Hardness (Rockwell)	D 785	95 R	95 R
Thermal Properties	Method	English	SI
Heat Deflection Temperature at 66 psi	D 648	275 F	135 C
Heat Deflection Temperature at 264 psi	D 648	175 F	79 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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