



Technical Data Sheet

Grade

MWR PPH 8100

Product Description:

General Purpose Polypropylene Homopolymer

Physical Properties	Method	English	SI
Specific Gravity	D 792	-	0.905
Melt Flow Rate (230/2.16)	D 1238	-	20 g/10 minutes
Linear Mold Shrinkage (Typical)	D 955	0.014 in/in	0.014 mm/mm
Mechanical Properties	Method	English	SI
Tensile Strength at Yield	D 638	5000 psi	34.5 Mpa
Tensile Elongation at Yield	D 638	10 %	10 %
Flexural Modulus (Tangent)	D 790	210000 psi	1450 Mpa
Izod Impact (notched)	D 256	0.50 ft-lb/in	27 J/m
Thermal Properties	Method	English	SI
Heat Deflection Temperature at 66 psi	D 648	210 F	99 C
Heat Deflection Temperature at 264 psi	D 648	135 F	57 C
Processing (Injection Molding)		English	SI
Drying Temperature		175 F	79 C
Drying Time		4 hrs	4 hrs
Max Moisture Content		%	0.00 %
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		100 F	38 C

Comments:

Drying generally not required

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

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