



## Technical Data Sheet

Grade

**MWR LDPE 6100**

### Product Description:

Low Density Polyethylene Injection Grade

Physical Properties	Method	English	SI
Specific Gravity	D 792	-	0.920
Melt Flow Rate (190/2.16)	D 1238	-	20 g/10 minutes
Linear Mold Shrinkage (Typical)	D 955	0.020 in/in	0.020 mm/mm

Mechanical Properties	Method	English	SI
Tensile Strength at Yield	D 638	1300 psi	9.0 Mpa
Tensile Elongation at Break	D 638	300 %	300 %
Flexural Modulus (Tangent)	D 790	30000 psi	210 Mpa
Izod Impact (notched)	D 256	NB ft-lb/in	NB J/m
Hardness (Shore), 15s Delay	D 2240	90 A	90 A

Processing (Injection Molding)	English	SI
Drying Temperature	170 F	77 C
Drying Time	3 hrs	3 hrs
Max Moisture Content	0.20 %	0.20 %
Rear Barrel Temperature	390 F	199 C
Middle Barrel Temperature	400 F	204 C
Front Barrel Temperature	410 F	210 C
Nozzle Temperature	410 F	210 C
Stock Temperature	410 F	210 C
Mold Temperature	90 F	32 C

### Comments:

Drying typically not required

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

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