



## Technical Data Sheet

Grade

**MWR HDPE 6310**

**Product Description:**

High Density Polyethylene Extrusion Grade

Physical Properties	Method	English	SI
Specific Gravity	D 792	-	0.950
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	4000 psi	27.6 Mpa
Tensile Elongation at Break	D 638	250 %	250 %
Flexural Modulus (Tangent)	D 790	175000 psi	1210 Mpa
Izod Impact (notched)	D 256	1.0 ft-lb/in	50 J/m
Hardness (Shore)	D 2240	65 D	65 D
Thermal Properties	Method	English	SI
Heat Deflection Temperature at 66 psi	D 648	157 F	69 C
Processing (Extrusion)		English	SI
Drying Temperature		170 F	77 C
Drying Time		3 hrs	3 hrs
Max Moisture Content		0.20 %	0.20 %
Rear Barrel Temperature		370 F	188 C
Middle Barrel Temperature		390 F	199 C
Front Barrel Temperature		390 F	199 C
Screen Changer		390 F	199 C
Die		380 F	193 C
Screw L/D		30:1	
Screw Compression		3:1	

**Comments:**

Drying typically not required

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

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