



Technical Data Sheet

Grade

MWR LLDPE 6410

Product Description:

Linear Low Density Polyethylene Extrusion Grade

Physical Properties	Method	English	SI
Specific Gravity	D 792	-	0.918
Melt Flow Rate (190/2.16)	D 1238	-	2 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	3900 psi	26.9 Mpa
Tensile Elongation at Break	D 638	600 %	600 %
Flexural Modulus (1% Secant)	D 790	25000 psi	170 Mpa
Hardness (Shore)	D 2240	50 D	50 D

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.

www.midwestresins.com