



Resin Properties – PPI TR 4 - PE 3608

Specification for polyethylene plastic molding and extrusion material – PE 3608, PPI TR4

Density	.944g/cc	ASTM D – 4883
Melt Index	12.5g/10 min	ASTM D – 1238
Tensile Strength	3,300 psi (2"/min yield)	ASTM D - 638
	4,500 psi (2"/min break)	ASTM D - 638
Elongation	>800% (2"/min break)	ASTM D - 638
	>2,000 hours	ASTM D - 1693
Environmental Stress Crack Resistance	>5,000 hours	ASTM D - 1693
Hardness (Shore D)	68	ASTM D - 2240
Vicat Softening Point	259 F	ASTM D - 1525
Flexural Modulus	120,000 psi	ASTM D - 790
Brittleness Temperature	< - 180 F	ASTM D - 746
Hydrostatic Design Basis	1600 psi @ 23 C	ASTM D - 2837
Carbon Black Concentration	2% Min	
Cell Classification	345464C	ASTM D - 3350