

HMW												
Typical Physical Properties	Units		ASTM		HYDEX		HYDEX					
						METHOD		1050		500		
Density				g/cu cm		D-1505		0.950		0.955		
Melt index			g/10 min	D-1238				0.30				
Melt flow			g/10 min	D-1238F			10.0 (HLMI)					
Environmental Stress												
Crack Resistance		hr/F50		D-1693			1000		25			
Tensile Strength												
at Yield (@ 2 in./min)		lb/sq in.	D-638			3700		4000				
Elongation at Break (@ 2 in./min)			%		D-638			800		600		
Brittleness Temperature		deg. F/F50	D-746		<-105			<-105				
Flexural Stiffness		lb/sq in.	D-747			115,000		125,000				
Hardness, Shore D				D-2240			68		69			
Vicat Softening Temperature	deg F		D-1585			255		257				
Heat Deflection Temperature (@ 66 lb/sq in.)		deg F		D-648			156		163			
Coefficient of Linear Thermal Expansion		in./in.		D-696			7x10-5		6x10-5			
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