



## Technical Datasheet: POM 100P

### Product Description:

Delrin® 100P is a high viscosity acetal homopolymer for use in easy to fill molds. Delrin® 100P provides maximum toughness in the product line without modification. Delrin® 100P has improved processing thermal stability.

### Applications:

Injection molding of industrial parts.

### Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Resin Identification	ISO 1043		POM
Part Marking Code	ISO 11469		>POM<
Yield Stress	ISO 527	MPa	70
Yield Strain	ISO 527	%	25
Strain at Break 50mm/min	ISO 527	%	65
Nominal Strain at Break	ISO 527	%	45
Tensile Modulus	ISO 527	MPa	2900
Tensile Creep Modulus			
1h	ISO 899	MPa	2700
1000h			1500
Flexural Modulus	ISO 178	MPa	2600
Flexural Stress @ 3.5% Strain	ISO 178	MPa	74
Notched Charpy Impact Strength			
-30°C	ISO 179/1eA	kJ/m2	11
23°C			14
Unnotched Charpy Impact Strength			
-30°C	ISO 179/1eU	kJ/m2	350
23°C			NB
Deflection Temperature			
0.45Mpa	ISO 75-1/-2	°C	160
1.80Mpa			93

# Anahita Holding

*We win first, then start the challenge!*

Melting Temperature 10°C/min	ISO 11357-1/-3	°C	178
CLTE, Parallel	ISO 11359-1/-2	E-4/C	1.0
-40 - 23°C			
23 - 55°C			
55 - 100°C			1.5
CLTE, Normal	ISO 11359-1/-2	E-4/C	1.0
-40 - 23°C			
23 - 55°C			
55 - 100°C			1.5
Vicat Softening Temperature 50N	ISO 306	°C	157
Melt Mass-Flow Rate 190°C, 2.16kg	ISO 1133	g/10 min	2.5
Density	ISO 1183	kg/m <sup>3</sup>	1420
Hardness, Rockwell	ISO 2039/2		
Scale M			
Scale R			
			120
Water Absorption	ISO 62, Similar to	%	0.3
Equilibrium 50%RH			
Saturation, immersed			
			1.4
Molding Shrinkage	ISO 294-4	%	2.0
Normal, 2.0mm			
Parallel, 2.0mm			
			2.2

\* Typical values not to be construed as specifications.