

## STAR POM GP

General	
Availability	Global
Processing Method	Injection Molding
Description	General Purpose Acetal

Physical	Nominal Value	Test Method
Density/Specific Gravity	1.41 g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR)	8 cm <sup>3</sup> /10min	ISO 1183
Molding Shrinkage		ISO 294-4
	Across Flow: 23 C	1.90%
	Flow: 23 C	2.00%
Water Absorption		ISO 62
	Saturation, 23 C	0.75%
	Equilibrium, 23 C	0.20%

Mechanical	Nominal Value	Test Method
Tensile Modulus (23 C)	2760 MPa	ISO 527-2/1A
Tensile Stress (Yield, 23 C)	65 MPa	ISO 527-2/1A/50
Tensile Strain (Break, 23 C)	10%	ISO 527-2/1A/50

Impact	Nominal Value	Test Method
Notched Izod Impact (23 C)	6 kJ/m <sup>2</sup>	ISO 179/1eA
Unnotched Impact Strength (23 C)	190 kJ/m <sup>2</sup>	ISO 179/1eU

Thermal	Nominal Value	Test Method
Heat Deflection Temperature		
	.45 MPa, Unannealed	158 C
	1.8 MPa, Unannealed	101 C
Vicat Softening Temperature		161 C
Melting Temperature		166 C
CLTE		ISO 11359-2
	Flow	1.2E-4 cm/cm/C
	Transverse	1.2E-4 cm/cm/C

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee as conditions and methods of use are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.