STAR PA66 GP

General	
Availability	Global
Processing Method	Injection Molding
Description	Unfilled Nylon 6/6

Physical	Nominal Value	Test Method
Density/Specific Gravity	1.13 g/cm3	ISO 1183
Molding Shrinkage		ISO 294-4
Across Flow: 23 C	1.80%	
Flow: 23 C	1.50%	
Water Absorption		ISO 62
24 hr, 23 C	2.5%	
Saturation, 23 C	8.5%	

Mechanical	Nominal Value	Test Method
Tensile Modulus (23 C)	3000 MPa	ISO 527-2
Tensile Stress (Yield, 23 C)	80 MPa	ISO 527-2
Tensile Strain (Break, 23 C)	20%	ISO 527-2

Impact	Nominal Value	Test Method
Notched Izod Impact (23 C)	4 kJ/m2	ISO 179/1eA
Charpay Unnotched Impact Strength	No Break	ISO 179/1eU

Thermal	Nominal Value	Test Method
Heat Deflection Temperature		
.45 MPa, Unannealed	200 C	ISO 75-2/B
1.8 MPa, Unannealed	90 C	ISO 75-2/A
Continuous Use Temperature	130 C	IEC 60216
Ball Pressure Test		IEC 60695-10-2
125 C	Pass	
165 C	Pass	

Electrical	Nominal Value	Test Method
Surface Resistivity	1.0E+14 ohms	IEC 60093
Volume Resistivity	1.0E+15 ohms cm	IEC 60093
Comparative Tracking Index		IEC 60112
3.2 mm, Solution A	600 V	

Flammability		
Flame Rating	V-2	UL 94