D122-G50

PA6-GX50 Wellman Advanced Materials

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**15000**	MPa	ISO 527
Strain at break	**2.5**	%	ISO 527
Flexural modulus, 23°C	**13500**	MPa	ISO 178
Flexural strength	**330**	MPa	ISO 178

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**222**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**210**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**220**	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	**1550**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**110 - 130**	°C	-
Pre-drying - Time	**4 - 6**	h	-
Processing humidity	**≤0.1**	%	-
Mold temperature	**100 - 130**	°C	-
Injection pressure	**40 - 110**	MPa	-
Back pressure	**0 - 5**	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Asia Pacific

Applications

Automotive, Electrical and Electronical