

D222-G50

PA6-GX50

Wellman Advanced Materials

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	15500	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Flexural modulus, 23°C	14000	MPa	ISO 178
Flexural strength	350	MPa	ISO 178

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	262	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	250	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	255	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1550	kg/m ³	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	110 - 130	°C	-
Injection pressure	40 - 110	MPa	-
Back pressure	0 - 5	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Features

Fatigue Resistance

Applications

Automotive, Electrical and Electronical

Regional Availability

North America, Asia Pacific