

**D122-G40**

PA6-GX40

Wellman Advanced Materials

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>12500</b>	MPa	ISO 527
Strain at break	<b>3</b>	%	ISO 527
Flexural modulus, 23°C	<b>11000</b>	MPa	ISO 178
Flexural strength	<b>300</b>	MPa	ISO 178

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>222</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>205</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>215</b>	°C	ISO 75-1/-2

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1450</b>	kg/m <sup>3</sup>	ISO 1183

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

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Heat stabilized or stable to heat

**Chemical Resistance**

General Chemical Resistance

**Applications**

Automotive

**Regional Availability**

North America, Asia Pacific