

**Wellamid® GFX1743-N1 (PTFE)**

(PA666+PTFE)-GF43

Wellman Advanced Materials

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.4	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	210	MPa	ISO 527
Flexural modulus, 23°C	11900	MPa	ISO 178
Flexural strength	310	MPa	ISO 178

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	260	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	230	°C	ISO 75-1/-2

**Other properties**

	Value	Unit	Test Standard
Density	1530	kg/m <sup>3</sup>	ISO 1183

**Processing Recommendation Injection Molding**

	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.15	%	-
Melt temperature	271 - 293	°C	-
Mold temperature	71 - 93	°C	-
Zone 1	260 - 293	°C	-
Zone 2	260 - 293	°C	-
Zone 3	266 - 293	°C	-
Nozzle temperature	254 - 293	°C	-
Screw speed	30 - 120	rpm	-
Injection pressure	34 - 138	MPa	-
Back pressure	0.34 - 1.03	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America

**Additives**

Lubricants