

Technical Datasheet

Ver. 2018

Material Type PA6	Grade Name D122-G40
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- Features**
- High Rigidity
 - High Heat Resistance
 - Good Chemicals Resistance

Material Standard

Availability North America/Asia-Pacific

Process Method Injection Molding

Appearance Colors Optional

Applications Automotive Interior and Exteriors

General Properties

No.	Properties	Methods	Units	Values	Test Conditions
1	Density	ISO 1183-1	g/cm ³	1.45	
2	Tensile Strength at Max Load	ISO 527-2	MPa	190	5mm/min
3	Impact Strength	ISO 179-1	kJ/m ²	85	23°C
4	Notched Impact Strength	ISO 179-1	kJ/m ²	15	23°C
5	Notched Impact Strength	ISO 179-1	kJ/m ²	11	-30°C
6	Elongation at Break	ISO 527-2	%	3.0	5mm/min
7	Tensile Modulus	ISO 527-2	MPa	12500	1mm/min
8	Flexural Strength	ISO 178	MPa	300	2mm/min
9	Flexural Modulus	ISO 178	MPa	11000	2mm/min
10	Heat Deflection Temp.	ISO 75-2	°C	205	1.8MPa,120°C/h
11	Heat Deflection Temp.	ISO 75-2	°C	215	0.45MPa,120°C/
12	Melt Temp.	ISO 11357-3	°C	222	
13	Filler Content	ISO 3451-1	%	40	

Processing Conditions

- Drying Cond.** • 110-130°C * 4-6h Moisture Control • <0.1
- Injection Temp.** • 220-250 °C(F), 230-270 °C(M), 230-250 °C(B)
- Injection Speed** • Medium to High
- Injection Pressure** • 40-110 MPa
- Back Pressure** • 0-5 MPa
- Mold Temp.** • 100-130 °C