Technical Datasheet

Material Type PA6	**Trademark** Techyer®	**Grade Name** PA6 D122-G40

Feature	• High Rigidity, High Heat Resistance, Good Chemical Resistance (PA6)
Material Standard	• XXXXXX
Availability	• Asian-Pacific, North America
Processing method	• Injection Molding
Appearance	• Color is Optional
Applications	• Automotive Interiors and Exteriors

General Properties

No.	Properties	Unit	Typical Value	Method	Test condition
1	Filler Content	%	40	ISO 3451-1, -4	
2	Density	g/mL	1.45	ISO 1183	23 ℃
3	Melt Temp.	°C	222	ISO 11357-3	
4	Tensile Strength	MPa	190	ISO 527	5 mm/mm
5	Tensile Elongation	%	3.0	ISO 527	5 mm/mm
6	Flexural Strength	MPa	300	ISO 178	2 mm/mm
7	Flexural Modulus	MPa	11,000	ISO 178	2 mm/mm
8	Notched Impact Strength	kJ/m^2	15	ISO 179-1	23 ℃
9	Heat Deflection Temperature	℃	205	ISO 75	1.8 MPa, 120°C/h
10	Heat Deflection Temperature	°C	215	ISO 75	0.45 MPa, 120°C/h

Processing Conditions

Drying condition	110-130 ℃, 4-6 h
Molding Temp.	220 - 250 ℃ (F)， 230 - 270 ℃ (M)，230 - 250 ℃ (B)
Mold Temp.	100 - 130 ℃
Injection Speed	Medium to High
Injection Pressure	40 – 110 MPa
Back Pressure	0-5 MPa

Notes: This technical data in the product brochures are typical test results for reference, and should not be defined as minimum value.

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