

Technical Datasheet

Material Type	PA6	Trademark	Techyer®	Grade Name	PA6 D122-G50
Feature	<ul style="list-style-type: none"> High Rigidity (PA6) 				
Material Standard	<ul style="list-style-type: none"> XXXXXX 				
Availability	<ul style="list-style-type: none"> Asian-Pacific, North America 				
Processing method	<ul style="list-style-type: none"> Injection Molding 				
Appearance	<ul style="list-style-type: none"> Color is Optional 				
Applications	<ul style="list-style-type: none"> Automotive Interior and Exteriors, Electric/ Electronic Applications 				

General Properties

No.	Properties	Unit	Typical Value	Method	Test condition
1	Filler Content	%	50	ISO 3451-1, -4	
2	Density	g/mL	1.55	ISO 1183	23 °C
3	Melt Temp.	°C	222	ISO 11357-3	
4	Tensile Strength	MPa	210	ISO 527	5 mm/mm
5	Tensile Elongation	%	2.5	ISO 527	5 mm/mm
6	Flexural Strength	MPa	330	ISO 178	2 mm/mm
7	Flexural Modulus	MPa	13,500	ISO 178	2 mm/mm
8	Notched Impact Strength	kJ/m ²	18	ISO 179-1	23 °C
9	Heat Deflection Temperature	°C	210	ISO 75	1.8 MPa
10	Heat Deflection Temperature	°C	220	ISO 75	0.45 MPa

Processing Conditions

Drying condition	100-130 °C, 4-6 h
Molding Temp.	230 - 260 °C (F), 260 - 280 °C (M), 230 - 250 °C (B)
Mold Temp.	100 – 130 °C
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.