

Technical Datasheet

Material Type	PA66	Trademark	Techyer®	Grade Name	PA66 D222-G50
Feature	<ul style="list-style-type: none"> High Heat Resistance, High Rigidity, Good Fatigue Resistance (PA66) 				
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 Application, Tools, Power & Others 				

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	262	ISO 11357-3	
4	Tensile Strength	MPa	225	ISO 527	5 mm/mm
5	Tensile Elongation	%	2.5	ISO 527	5 mm/mm
6	Flexural Strength	MPa	350	ISO 178	2 mm/mm
7	Flexural Modulus	MPa	14,000	ISO 178	2 mm/mm
8	Notched Impact Strength	kJ/m ²	17	ISO 179-1	23 °C
9	Heat Deflection Temperature	°C	250	ISO 75	1.8 MPa
10	Heat Deflection Temperature	°C	255	ISO 75	0.45 MPa

Processing Conditions

Drying condition	110-130 °C, 4-6 h
Molding Temp.	280 - 300 °C (F), 280 - 300 °C (M), 270 - 290 °C (B)
Mold Temp.	110 - 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.