

Technical Datasheet

| Material Type | PA66 | Trademark | Techyer® | Grade Name | PA66 D222-G35 |
|-------------------|------|-----------|----------|------------|---|
| Feature | | | | | <ul style="list-style-type: none"> High Rigidity, High Heat Resistance, Good Weather 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 | % | 35 | ISO 3451-1, -4 | |
| 2 | Density | g/mL | 1.41 | ISO 1183 | 23 °C |
| 3 | Melt Temp. | °C | 262 | ISO 11357-3 | |
| 4 | Tensile Strength | MPa | 200 | ISO 527 | 5 mm/mm |
| 5 | Tensile Elongation | % | 3 | ISO 527 | 5 mm/mm |
| 6 | Flexural Strength | MPa | 295 | ISO 178 | 2 mm/mm |
| 7 | Flexural Modulus | MPa | 9,800 | ISO 178 | 2 mm/mm |
| 8 | Notched Impact Strength | kJ/m ² | 14 | ISO 179-1 | 23 °C |
| 9 | Heat Deflection Temperature | °C | 245 | ISO 75 | 1.8 MPa |
| 10 | Heat Deflection Temperature | °C | 250 | ISO 75 | 0.45 MPa |

Processing Conditions

| | |
|--------------------|--|
| Drying condition | 100-130 °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.