

Technical Data Sheet

PA66 Unfilled Natural

Product Description: PA66 Unfilled Natural.

Application: MCB, Low Voltage switch gears, Electrical, Electronics, Automotive etc.

Compliance: RoHS compliant.

Property	Typical Value	Test Method
General Properties		
Density	1.14±0.02 g/cc	ASTM D792
Moisture Content	≤0.2	Internal
Color	Natural	Visual
Mechanical Properties		
Tensile Strength	≥60 MPa	ASTM D638
Elongation at Yield	4±1 %	ASTM D638
Flexural Strength	90±10MPa	ASTM D790
Flexural Modulus	2500±1000 MPa	ASTM D790
Izod notched	≥35 J/m	ASTM D256
Thermal Properties		
Melting Point	263 °C	ASTM D3418
Heat Deflection Temperature	100 °C @1.8 MPa	ASTM D648
Flammability		
FR, Rating at 1.5 mm	NA	UL-94
FR, Rating at 3.2 mm	NA	UL-94
GWT at 1.2 mm	NA	IEC-60695-2-12

Processing Parameters				
Preheat the material at 80-90 °C for 3-4 Hours. Moisture Content after drying should be less than 0.1%.				
Injection Molding Temperature (°C)				
Mold	Melt	Nozzle	Center	Feed
80-120	280-300	280-300	280-270	270-260

Standard Packaging:

25-KG Laminated PP Woven with PE Liner Recyclable Bag.

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