



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

Polyamide 66/PA 66

Item:	Polyamide 66/PA 66
Description:	Polyamide 66 is a glass fiber reinforced polyamide 66 resin. It's a more robust material, both mechanically and electrically, compared to sheet molding compound and dough molding compound. The flammability index of this material is HB or V0 as per UL 94. Polyamide 66 has high abrasive resistance, good insulating properties, and resistance to organic chemicals like alkalis.

Properties	Units	Test Methods	Typical Values
<i>Physical</i>			
Specific Gravity	--	ASTM D792	1.39
Glass Contents	%	NA	33
Water Absorption (24 hours)	%	ASTM D570	1.2
<i>Mechanical</i>			
Tensile Strength	Kgf/cm ²	ASTM D638	1,200-1,300
Flexural Strength	Kgf/cm ²	ASTM D790	2,500-2,800
Impact Strength Izod	J/m	ASTM D256	117
Compressive Strength	Kgf/cm ²	ASTM D695	NA
<i>Electrical</i>			
Dielectric Strength	KV/mm	ASTM D149	20
Comparative Tracking Index	Volts	BS-5901	>600
ARC Resistance	Secs.	ASTM D495	200
Flammability Index	--	UL 94	HB / V0
Glow Wire Ignition Test Over 3mm Thickness Specimen	°C	IEC-60695-2-13	746 / 930
Hot Wire Ignition Test	Secs.	ASTM D3874	7-15
RTI, Str (Thickness 3mm)	°C	UL 746B	130
RTI, Elect. (thickness 3mm)	°C	UL 746B	130
High Voltage Arc Tracking Rate	mm/min	UL 746A	over 10 through 25.4
High Amp Arc Ignition	mean no, or arcs	UL 746A	>120
Material Group	--	IEC 60112	1
Pollution Degree	--	IEC 60950	3
Insulation Class	--	JIS C 4003	B
Working Temp	°C	--	(-) 40°C to 135°C

AS9100 Certified QMS | ISO9001 Certified QMS | RoHS Compliant | ITAR Compliant

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