



THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

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 alkalies.

PROPERTIES	UNITS	TEST METHODS	TYPICAL VALUES
Physical			
Specific Gravity	-	ASTM D-792	1.39
Glass Contents	%	NA	33
Water Absorption (24 Hrs)	%	ASTM D-570	1.2
Mechanical			
Tensile Strength	(Kgf/cm ²)	ASTM D-638	1200-1300
Flexural Strength	(Kgf/cm ²)	ASTM D-790	2500-2800
Impact Strength Izod	(J/m)	ASTM D-256	117
Compressive Strength	(Kgf/cm ²)	ASTM D-695	NA
Electrical			
Dielectric Strength	(KV/mm)	ASTM D-149	20
Comparative Tracking Index	(Volts)	BS-5901	>600
ARC Resistance	(Secs.)	ASTM D-495	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 D-3874)	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

All of the information, suggestions and recommendations pertaining to the properties and uses of the products herein are based upon tests and data believed to be accurate; however, the final determination regarding suitability of any material described herein for the use contemplated, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty, expressed or implied, including, without limitation warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.