



NEMA Grades X, XX, XXX

Identification			
Product Name		NEMA Grades X, XX, XXX	
Product Type		Flat sheet, sheet rod	
Other Descriptions		Phenolic Laminate	
Hazards Information			
Non-Flammable sheet, rod, and plate material can cause dust when machined or ground			
Dust and fumes may cause eye and skin irritation			
Dust from secondary processes can be explosive			
Composition			
Kraft Paper Substrate	50-70%	CSA#	Proprietary
Phenolic Resin	30-50%	CSA#	Proprietary
First Aid Measures			
Skin		Wash skin with soap and water	
Eyes		Irrigate with water for 15 minutes	
Inhalation		Remove to fresh air. Call physician if condition persists	
Ingestion		If large amounts are ingested seek medical assistance	
Physicians		Treat symptomatically	
Accidental Release Measures			
Does Not Apply			
Handling and Storage			
No Special Considerations			
Exposure Controls			
Use local exhaust and ventilation systems to control dust and fumes when grinding or fabricating			
Physical and Chemical Properties			
Solid sheet, cut plate, and sheet rod material			
Specific Gravity : 1.3-1.4			
Stability and Reactivity			

The product is stable and no incompatibilities have been determined.
Thermal decomposition may produce oxides of carbon
Trace amounts (< 0.05%) of formaldehyde and phenol may be present in released particles during machining processes.
Toxicological Information
May cause minor eye, skin, and throat irritation during machining
Ecological Information
This material is not classified as hazardous
This material is not biodegradable
Disposal Considerations
This material (as sold) is not classified as hazardous waste. Disposal methods should be in accordance with local, state, and federal regulations for non-hazardous disposal
Transport Information
There are no SARA 313 toxic chemicals used to make this material and it is not regulated by the DOT
Regulatory Information
This product is considered non-hazardous under OSHA Hazard Communication Standard (29CFR 1910.1200)
These products are REACH and RoHS Compliant
Other Information
Additional information on our materials may be obtained by calling 757-485-0016
All data presented here is, to the best of our knowledge, truthful and accurate.
This document is not a guarantee and BGM assumes no liability for the information contained herein.

NEMA Grades CE, C, LE, L

Identification			
Product Name		NEMA Grades CE, C, LE, L	
Product Type		Flat sheet, sheet rod	
Other Descriptions		Phenolic Laminate	
Hazards Information			
Non-Flammable sheet, rod, and plate material can cause dust when machined or ground			
Dust and fumes may cause eye and skin irritation			
Dust from secondary processes can be explosive			
Composition			
Continuous Fiber Cotton Cloth	50-70%	CSA#	Proprietary
Phenolic Resin	30-50%	CSA#	Proprietary
First Aid Measures			
Skin		Wash skin with soap and water	
Eyes		Irrigate with water for 15 minutes	
Inhalation		Remove to fresh air. Call physician if condition persists	
Ingestion		If large amounts are ingested seek medical assistance	
Physicians		Treat symptomatically	
Fire Fighting Measures			
May Give off CO, CO2 when heated to decomposition			
Fire fighters should wear proper protective equipment and positive pressure self-contained breathing apparatus			
Use water, CO2, and/or dry chemical when fighting fire			
Accidental Release Measures			
Does Not Apply			
Handling and Storage			
No Special Considerations			
Exposure Controls			
Use local exhaust and ventilation systems to control dust and fumes when grinding or fabricating			
Physical and Chemical Properties			
Solid sheet, cut plate, and sheet rod material			
Specific Gravity : 1.3			
Stability and Reactivity			

The product is stable and no incompatibilities have been determined.
Thermal decomposition may produce oxides of carbon
Trace amounts (< 0.05%) of formaldehyde and phenol may be present in released particles during machining processes.
Toxicological Information
May cause minor eye, skin, and throat irritation during machining
Ecological Information
This material is not classified as hazardous
This material is not biodegradable
Disposal Considerations
This material (as sold) is not classified as hazardous waste. Disposal methods should be in accordance with local, state, and federal regulations for non-hazardous disposal
Transport Information
There are no SARA 313 toxic chemicals used to make this material and it is not regulated by the DOT
Regulatory Information
This product is considered non-hazardous under OSHA Hazard Communication Standard (29CFR 1910.1200)
These products are REACH and RoHS Compliant
Other Information
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NEMA Grades FR4, G10, G11

Identification			
Product Name		NEMA Grades G10, FR4, G11	
Product Type		Flat sheet, sheet rod	
Other Descriptions		Glass Epoxy Laminate	
Hazards Information			
Non-Flammable sheet, rod, and plate material can cause dust when machined or ground			
Dust and fumes may cause eye and skin irritation			
Dust from secondary processes can be explosive			
Composition			
Continuous Filament Fiber Glass	50-70%	CSA#	Proprietary
Epoxy Resin	30-50%	CSA#	Proprietary
First Aid Measures			
Skin		Wash skin with soap and water	
Eyes		Irrigate with water for 15 minutes	
Inhalation		Remove to fresh air. Call physician if condition persists	
Ingestion		If large amounts are ingested seek medical assistance	
Physicians		Treat symptomatically	
Fire Fighting Measures			
May give off toxic hydrogen bromide gas, CO, CO, CO2 when heated to decomposition			
Fire fighters should wear proper protective equipment and positive pressure self-contained breathing apparatus			
Use water, CO2, and/or dry chemical when fighting fire			
Accidental Release Measures			
Does Not Apply			
Handling and Storage			
No Special Considerations			
Exposure Controls			
Use local exhaust and ventilation systems to control dust and fumes when grinding or fabricating			
Physical and Chemical Properties			
Solid sheet, cut plate, and sheet rod material			
Specific Gravity : 1.8			
Stability and Reactivity			

The product is stable and no incompatibilities have been determined.
Thermal decomposition may produce oxides of carbon
Carbon dioxide, carbon monoxide, bromine and other hazardous gasses may be generated under normal machining/processing conditions
Toxicological Information
May cause minor eye, skin, and throat irritation during machining
Ecological Information
This material is not classified as hazardous
This material is not biodegradable
Disposal Considerations
This material (as sold) is not classified as hazardous waste. Disposal methods should be in accordance with local, state, and federal regulations for non-hazardous disposal
Transport Information
There are no SARA 313 toxic chemicals used to make this material and it is not regulated by the DOT
Regulatory Information
This product is considered non-hazardous under OSHA Hazard Communication Standard (29CFR 1910.1200)
These products are REACH and RoHS Compliant
Other Information
Additional information on our materials may be obtained by calling 757-485-0016
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