



ATLAS FIBRE COMPANY

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MATERIAL SAFETY DATA SHEET

THERMOSET LAMINATES

I. PRODUCT IDENTIFICATION:

Atlas Fibre Company
3721 W. Chase Avenue
Skokie, Illinois 60076
Emergency Telephone # 847-674-1234

Chemical Name: See Chart
Chemical Family: Thermoset Laminates
Trade Name & Synonyms: None

II. HAZARDOUS INGREDIENTS:

Substances listed are those identified as being present in concentrations of 1% or greater, or 0.1% if substance is listed as a potential carcinogen. - NONE

III. PHYSICAL DATA:

Melting Point: See Chart

Specific Gravity: (H₂O = 1): See Chart

Vapor Pressure: N/A

Percent Volatile by Volume: .3 - 1.0%

Vapor Density: N/A

Evaporation Rate: N/A

Solubility in Water: N/A

Color: Various, Natural to Black

Appearance: Sheet, Rod, Tube
and Machined Parts

Odor: None to slight

IV. FIRE AND EXPLOSION HAZARD DATA:

Flash Point: N/A

Flammability Limits: N/A

Extinguishing Media: Water, Carbon Dioxide, Dry Chemical

Special Fire Fighting Procedures: For significant fires, use self contained positive pressure breathing apparatus and wear full protection.

Unusual Fire and Explosion Hazard: May give off any or all of the hazardous decomposition products listed. Dust from dry fabrication operations may be explosive if mixed with air in critical proportions in the presence of ignition.

V. HEALTH HAZARD DATA:

Threshold Limit Value: No TLV exist for thermoset laminate plastic shapes. The hazards associated with thermoset laminate plastic shapes are for the products of combustion; See Chart:

Effects of Overexposure: Inhalation of dust may cause respiratory irritation. Dust may cause skin or eye irritation.

Emergency and First Aid Procedures: In the event of acute exposure, remove to fresh air, administer oxygen, and seek physician's assistance.

VI. REACTIVITY DATA:

Stability: Stable

Incompatibility: Not Incompatible

Hazardous Decomposition Products: See Chart

Hazardous Polymerization: N/A

Conditions to Avoid: When heated to decomposition or combustion temperatures, hazardous products of combustion occur as shown - See Chart

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VII. SPILL OR LEAK PROCEDURES:

Steps to be taken in case material is released or spilled: N/A

Waste Disposal Method: Approved landfill site in compliance with Federal, State, and Local regulations.

VIII. SPECIAL PROTECTION INFORMATION:

Respiratory Protection: If machining operations are not adequately ventilated, a N.I.O.S.H. approved respirator should be worn.

Ventilation: Mechanical(general) preferable, local exhaust acceptable.

Protection Equipment: When machining thermoset laminate plastics, face shield or safety glasses should be worn. In general, protection beyond established industrial safety practices and adequate ventilation is not required.

IX. SPECIAL PRECAUTIONS:

Precautions to be taken in Handling and Storage: None

Other Precautions: When fighting fires use a self contained breathing apparatus.

*N/A - Not Applicable

CHEMICAL NAME	GRADES	SPECIFIC GRAVITY	MELTING POINT °F	FLASH IGNITION TEMP. °F	HAZARDOUS PRODUCTS OF COMBUSTION
Phenolic Cellulose	X,XX,XXX	1.10-1.40	N.A.	Non-Volatile	CO, CO2, F
Phenolic Cellulose	C, CE	1.10-1.40	N.A.	Non-Volatile	CO, CO2, F
Phenolic Cellulose	L, LE	1.10-1.40	N.A.	Non-Volatile	CO, CO2, F
Phenolic Nylon	N-1	1.15-1.19	N.A.	Non-Volatile	CO, CO2, F
Phenolic Glass	G-3	1.70-1.90	N.A.	Non-Volatile	CO, CO2, F
Melamine Glass	G-5, G-9	1.70-1.95	N.A.	Non-Volatile	CO, F, A
Silicone Glass	G-7	1.55-2.05	N.A.	Non-Volatile	CO
Epoxy Glass	G-10	1.65-2.20	N.A.	Non-Volatile	CO, CO2, F
Epoxy Glass	FR4	1.65-2.20	N.A.	Non-Volatile	CO, CO2, F, HBr
Epoxy Glass	G-11	1.65-2.20	N.A.	Non-Volatile	CO, CO2, F
Epoxy Glass	FR5	1.65-2.20	N.A.	Non-Volatile	CO, CO2, F, HBr
Polyester Glass	GPO-1,2,3	1.61-2.00	N.A.	650	CO
Polyester FR Glass	Electrical	1.83	N.A.	650	CO, HBr

CO=Carbon Monoxide CO2=Carbon Dioxide F=Formaldehyde HBr=Hydrogen Bromide A=Ammonia

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