



# 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:** ( H<sub>2</sub>O = 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

**MATERIAL SAFETY DATA SHEET**  
**PAGE 2**

**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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