

## PTEROFLAT XT PMMA Material Safety Data Sheet

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### 1. Identification of the material and producer:

Solid Extruded PMMA sheet, produced by acrylic PMMA granules.

POLITEM PLASTİK VE TEKSTİL PAZ. SAN. DIŞ TİC. A.Ş.

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### 2. Composition/Information on Ingredients:

PTEROFLAT XT is the brand name for extruded Polymethyl methacrylate (PMMA) sheets manufactured by POLITEM Dynamic Plastic.

### 3. Hazard Identifications:

No particular hazards know.

### 4. First-Aid Measures:

#### **EMERGENCY AND FIRST AID INFORMATION**

**EYES:** immediately flush with plenty of water. Get medical attention if irritation persists

**INHALATION:** remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**BURNS:** flush the area with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops and persists.

### 5. Fire-Fighting Measures:

Suitable Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide  
Do Not Use: Full jet water  
Special Protective equipment for Fire-Fighting: Wear self-contained breathing apparatus.

## **6. Accidental Release Measures:**

Sweep or gather up material mechanically.

## **7. Handling and Storage:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container closed. Use only with adequate ventilation.

Avoid temperature extremes during storage; ambient temperature preferred.

## **8. Exposure Controls / Personal Protection:**

No specific exposure related hazards are known. Wear protective gloves while handling sheets.

## **9. Physical and Chemical Properties:**

Change in Physical State Softening temperature about 102°C

Density (20°C) 1.19 g/cm<sup>3</sup>

Vapour Pressure Not applicable

Viscosity Not applicable

Solubility in Water Insoluble

pH value not applicable

Flash point 390°C (ASTM-D 1929-68)

Ignition Temperature 465°C (ASTM-D 1929-68)

Explosion Limits Not applicable

Thermal Decomposition About 280°C

Hazardous Decomposition With proper handling – none. On thermal decomposition vapours, consisting predominantly of Methylmethacrylate, are formed, which are inflammable and irritating to the eyes and respiratory system.

## **10. Stability and Reactivity:**

This material is chemically stable under normal and anticipated storage and handling conditions.

## **11. Toxicological Information:**

With proper handling and provided the standards of industrial hygiene and safety in the work place are followed, no health hazards should be expected.

## **12. Ecological Information**

PMMA XT is a solid material, insoluble in water and non-toxic, therefore no adverse effects on the environment should be expected.

## **13. Disposal Considerations:**

RECYCLE AND DISCHARGE: The product is suitable for mechanical recycling. After appropriate treatment it can be remelted and processed into new molded articles. Mechanical recycling is possible if the material has been selectively retrieved and carefully segregated according to type.

## **14. Transport Information**

DOT HAZARD CLASS: Not regulated  
PROPER SHIPPING NAME: Not regulated  
IDENTIFICATION NUMBER: Not listed  
OTHER INFORMATION: Not Dangerous Cargo. Keep Dry.

## **15. Regulatory Information**

No labeling is required in accordance with the EEC directives.  
In connection with dusts formed in consequence of mechanical treatment, e.g. grinding, the appropriate regulation/maximal values for fine dusts must be observed:  
MAX Value (fine dust): 6 mg/m<sup>3</sup>  
This product does not contain reportable quantities of substances subject to supplier notification.

## **16. Other Information**

This information reflects current knowledge of POLITEM Dynamic Plastic. It serves to describe the product and cannot be interpreted as a guarantee of certain properties.