

MATERIAL SAFETY DATA SHEET

2.0 Chemical and Physical Data

Properties item	Test condition	Test method	Test datum	unit	
Physical properties	Melt flow speed	GB 3682	2.0-4.0	g/10min	
	Degree of isotacticity	GB 2412	96	%	
Mechanical Properties	Tensile & yield strength	GB/T 1040	30	MPa	
	Izod impact strength	23°C	GB/T 1843	3.0	KJ/m2
	Flexural modulus		MA 17074	1200	MPa
	Izod impact strength	23°C	ASTM D-256	30	J/M
	Rockwell hardness		GB 9342	90	R
Heat Properties	Vicat softening point	GB 1633	150	°C	

2.1 Product Name : PP T30S (clear)

2.2 Chemical Nature : PP (PROPENE POLYMER)

3.0 Toxicological Data

3.1 Exposure Effects : Melted material will produce skin thermal burns, it seems reasonable to treat this material as nuisance particulate.

3.2 Inhalation : Low hazard for usual industrial handling by trained personnel.

3.3 Ingestion : expected to be a low ingestion hazard.

4.0 Storage Life and Handling

4.1 Prevention of fire and explosion : keep from contact with oxidizing materials, minimize dust generation and accumulation.

4.2 Storage : keep container closed.

5.0 Exposure Controls / Personal Protection

5.1 A local mechanical exhaust system may be required if dust is anticipated.

5.2 Use adequate ventilation to keep airborne concentration of pallet dust or fumes at low levels.

5.3 Safety glasses and gloves should be worn to protect against thermal burns.

6.0 Fire Extinguishing Measures

6.1 Extinguishing Method: Water mist, Carbon dioxide, Dry chemical powder or polymer foam for fires.

6.2 For fire protection, wear self-contained breathing, apparatus and protective clothing to prevent contact with skin and eyes.

6.3 Dangerous products after decomposition CO₂ & CO will be produced by reacting on any other organic material.

7.0 Hazards Identification

7.1 During transport and storage : A dust explosion hazard is possible.

7.2 Powdered material may form explosive dust – air mixtures.

7.3 Molted material will produce thermal burns.

8.0 Stability and Reactivity

8.1 Stability : Stable

8.2 Incompatible substance materials can react with strong oxidizing agents.

8.3 Hazardous polymerization will not occur.

9.0 Disposal Considerations

9.1 Precautions in case of spillage and leafage collect and contain for salvage or disposal.

9.2 Waste disposal, incineration or landfill, consult local regulations regarding the proper disposal of this material.

10.0 First – Aid Measures

10.1 Inhalation : If symptomatic, move to fresh air. Get medical attention if symptoms persist.

10.2 Eyes : Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms persist.

10.3 Skin : If burned by contact with melted material, cool as quickly as possible. Do not peel material from skin.

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10.4 Ingestion : Material is not expected to be absorbed from the gastrointestinal tract so that induction of vomiting should not be necessary.

10.5 Advice to physicians : Burns should be treated as thermal burns. The material will come off as healing occurs, therefore immediate removal from the skin is not necessary.