

TPM16440 White

TPM16440 is a white designed for polyethylene films including very thin gauges. It can also be used for blow molding and injection molding. **TPM16440** can be used with all polyolefin resins.

PHYSICAL PROPERTIES

Appearance: Pellets
Carrier Resin: Polyethylene
Pigment: Titanium Dioxide

HEAT STABILITY

TPM16440 is designed for maximum processing temperatures of 600°F (315°C).

OTHER CHARACTERISTICS

The ingredients used in this formulation meet FDA criteria for food contact as specified and limited by the part and sections 170 to 199 of Title 21 of the Code of Federal Regulations and/or the FDA *Inventory of Effective Food Contact Substance Notifications*. Consult the Technical Service Department for specific limitations in each application.

USAGE LEVEL

The usage of this product will vary depending on the application and end product design. We recommend an in-depth discussion with our sales engineers and technical staff to design the testing scheme necessary for an optimum product.

Revision 0 - AM

The information and statements herein are believed to be reliable but are not to be construed as warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information on products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.

Nothing herein is to be taken as permission, inducement or recommendation to practice any patented invention without a license.



1. Product and Company Identification

Identification of the substance or preparation

Product Code: **TPM16440**
Product Description: **WHITE**

Use of the substance/preparation

Masterbatch or compound for polymer industry

Company Identification

Techmer PM
#1 Quality Circle
Clinton, TN 37716
Telephone: (865) 457-6700
Fax: (865) 457-3012

Emergency telephone

(865) 457-6700

2. Hazards identification

POTENTIAL HEALTH EFFECTS

Eyes: Mechanical irritation is possible
Skin: Molten polymer may cause thermal burns
Ingestion: May cause irritation to the throat, mouth and stomach and/or may cause nausea
Inhalation: Inhalation of process fumes and vapors may cause irritation in the respiratory system
Chronic: No known chronic health effects

3. Composition/information on ingredients

This product contains a proprietary blend of components encapsulated within a polymer matrix. These components are not considered to be hazardous chemicals per 29 CFR 1910.1200.

4. First aid measures

Inhalation

Move to fresh air. If irritation persists, get medical attention.

Skin contact

If molten material contacts the skin or in case of skin irritation, immediately flush with large amounts of water and get medical attention.

Eye contact

Wash immediately with plenty of water. If irritation persists, get medical attention.

Ingestion

If swallowed, do not induce vomiting. Get medical attention.

5. Fire-fighting measures

Suitable extinguishing media

Foam, CO₂, Dry Chemical and Water Fog

Hazardous combustion products

Burning may produce carbon monoxide, carbon dioxide, hydrocarbons and other possible toxic combustion products.

Special exposure hazards

In its present form, this product offers no unusual fire and explosion hazards. However, dust and fumes generated from this product could present an explosion hazard.

Special protective equipment for fire-fighters

Use self-contained breathing apparatus and chemical-protective clothing.

6. Accidental release measures

Personal precautions

Wear appropriate personal protective equipment. Eliminate all sources of ignition.

Environmental precautions

Do not allow entry to drains, water courses, soil or sewers.

Cleaning methods

Wearing appropriate personal protective equipment, sweep or vacuum and place in suitable container for disposal. Avoid creating dust.

7. Handling and storage

Handling

Avoid dust formation during handling. Provide appropriate local ventilation at machinery and at places where dust can be generated. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage

Store in a cool, dry, well ventilated storage area. Keep container covered when not in use.

8. Exposure controls/personal protection

Engineering Controls

Work in well ventilated areas. Do not breathe dust.

Personal protective equipment

Respiratory protection

Not required under normal process conditions and with adequate ventilation. However, should conditions exist that require respiratory protection, a NIOSH/MSHA approved respirator should be worn.

Eye protection

Wear safety glasses with side shields (or goggles).

Body protection

Wear protective gloves. Wear appropriate clothing to prevent repeated or prolonged contact with skin.

Hygiene measures

Wash thoroughly after handling and before eating, drinking or using tobacco products.

9. Physical and chemical properties

Appearance:	Pellet
Odor:	No significant odor
pH:	Not measured
Melting point:	Not measured
Boiling point/boiling range:	Not measured
Flash point:	Not measured
Evaporation Rate:	Not measured
Flammability (solid, gas):	Not flammable
Upper/Lower flammability limits:	Not measured
Vapor pressure:	Not measured
Vapor density:	Not measured
Relative density:	2.19 g/cc
Solubility in water:	Not measured
Partition coefficient: n-octanol/water:	Not measured
Auto ignition temperature:	Not measured
Decomposition temperature:	Not measured

10. Stability and reactivity

Chemical stability

Stable

Conditions to avoid

Do not store near heat, flame nor strong oxidizing agents, acids or bases. Minimize dust generation and accumulation.

Hazardous decomposition products

Carbon monoxide, carbon dioxide, hydrocarbons and other possible toxic substances can be generated during thermal decomposition and combustion.

11. Toxicological information

Acute oral toxicity:	Not tested
Acute inhalation toxicity:	Fumes or dust may be harmful if inhaled
Acute dermal toxicity:	Not tested
Skin irritation:	Not tested
Eye irritation:	Dust may cause mechanical irritation (based on components)
Skin sensitization:	Not tested

Chronic toxicity: Not tested
Carcinogenicity: Carbon black and titanium dioxide have been evaluated by IARC as a possible carcinogen to humans (Group 2B). Any carbon black or titanium dioxide contained in this product is completely encapsulated within the polymer matrix and as such, should not present a health hazard. No other component in this product at concentrations greater than 0.1% are listed by IARC, NTP, or OSHA.

12. Ecological information

Ecotoxicity

No information available

Persistence and degradability

No information available

Bioaccumulative potential

No information available

13. Disposal considerations

Dispose of in accordance with local, state and federal regulations.

14. Transport information

U.S. Department of Transportation (DOT)

Not regulated for transport

15. Regulatory information

U.S. Toxic Substances Control Act (TSCA): All component(s) comprising this product are either exempt or listed on the TSCA inventory.

SARA Section 313 Toxic Chemical List: No components listed.

California Proposition 65: No components listed.

16. Other information

HMIS ratings:	Health:	0
	Flammability:	1
	Physical Hazard:	0

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