

AMERICAN PLASTICS

800-772-7401

Material Safety Data Sheet

SUPPLIER NAME: AMERICAN PLASTICS (800)772-7401
525 113th STREET ARLINGTON, TX 76011

COMMERICAL PRODUCT NAME: THERMOPLASTIC ELASTOMER (TPE)

CHEMICAL CONSTITUTION OF PRODUCT: Thermoplastic Rubber

PHYSICAL PROPERTIES:

Boiling Point: N/A
Vapor Density: N/A
Vapor Pressure: N/A
Solubility in Water: N/A
Melting Point: N/A
Specific Gravity: 0.95 - 0.98
Hardness: 45 Shore A to 50 Shore D
Form: Pellets
Appearance: Sheets
Color: Parchment (Light Tan) or Creamy White
Odor: Slightly rubber-like odor

STORAGE AND HANDLING:

Precautions During Storage and Handling:

Handle in accordance with good industrial hygiene and safety practices, which include avoiding unnecessary exposure of the material to eyes, skin and clothing. Avoid leaving con-tainer open for prolonged periods to prevent exposure to humidity. Store in a cool, dry place.

Hazardous Combustion and Decomposition Products:

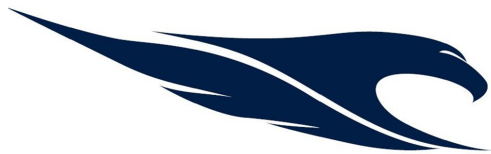
TPE may react with strong oxidizing chemicals. It also reacts with acetal resins at temperatures of 425°F (218° C) and above, producing decom-position of the acetal resin, and formaldehyde as a decomposition product. Decomposition of halogenated polymers and phenolic resins may also be accelerated when they are in contact with TPE at processing temperatures. Thoroughly purge processing equipment with polyolefin polymers, including polypropylene, when using the same equipment to process TPE and acetal resins, halogenated polymers and phenolic resins. Do not mix TPE, acetal resins, halogenated polymers or phenolic resins at elevated temperatures. Smoke, carbon mon-oxide and possibly hydrocarbons may evolve when processing temperatures exceed 500° F, or when the material is ignited. Hazardous polymerization will not occur.

Disposal Procedures:

Recycle or burn in an approved incinerator or dispose of in an approved chemical landfill in accordance with all applicable local, state and federal laws and regulations. Reprocess only uncontaminated material.

Individual Preventive Measures:

Eye Contact: Does not cause significant eye irritation or eye toxicity requiring special protection. However, when working with hot plastic material, use of eye protection is



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THERMOPLASTIC ELASTOMER (TPE) MSDS CONTINUED

Individual Preventive Measures (Continued):

Skin Contact: Does not present significant skin concern, minimize skin contamination by following good industrial hygiene practice. Wearing protective gloves and clothing is recommended. Wash hands and contaminated skin thoroughly after handling. If hot plastic comes in contact with skin, cool immediately with cold water & do not try to remove. Seek medical attention.

Inhalation: Provide natural or mechanical ventilation to minimize exposure. If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. Avoid breathing process vapors or dust - may cause respiratory tract irritation. If allowed to build up due to inadequate ventilation in the work area, the fumes and vapors, with repeated and prolonged exposure at high concentrations, could cause nausea, drowsiness and headaches, especially if such exposures exceed current exposure limits (where established.) Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure is excessive.

Ingestion: No significant health hazards identified

IGNITION AND EXPLOSION:

Flash Point:

>650°F

Auto-Ignition Temperature:

>700°F

Special Fire, Explosion Hazard:

No unusual fire or explosion hazards known.

Stability Considerations:

Thermally stable to 500°F.

Extinguishing Media:

Water spray or any Class A extinguishing agent.

Special Fire Fighting Instructions:

Wear self-contained breathing apparatus and full protective gear. (Carbon monoxide is liberated as a toxic decomposition product when TPE is ignited.)

FIRST AID PROCEDURES:

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

Skin: If burned by contact with molten material, cool as quickly as possible. Do not peel material from skin. Get medical attention.

Inhalation: Move subject to fresh air. If breathing is difficult, get medical attention.

Ingestion: Seek medical attention if experiencing problems.

ENVIRONMENT PROTECTION:

To be disposed of in accordance with the appropriate legislation.

SPECIFIC DATA:

Transport: not regulated.