

Delta Plastics of the South Post-consumer resin (PCR) Specifications



COMPONENT:	Min.	Max.
% LLDPE	97.0%	99.0%
Colorant/additive	1.0%	3.0%

PROPERTY:	Min.	Max.
Melt Index (g/10 min)	0.40	0.60
Base Resin Density (g/cc)	0.918	0.922

Our PCR is certified 100% Post-consumer Recycled Content by Scientific Certification Systems. Available in white, black or mixed color.

While specific moisture tests have not been performed, experience shows moisture to be nonexistent.

For additional information, contact **Louis Vasquez**

lvasquez@deltapl.com or 501-519-8868.

Material Safety Data

LLDPE Post-consumer Resin

This document covers the raw materials from which Delta Plastics PCR is manufactured and is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Other substances not considered "hazardous" per this OSHA Standard may not be listed.

1. Ingredients

Copolymer of ethylene

2. Physical Data

Appearance: white, black or blue/gray, solid pellets or granules

Boiling Point: not applicable

Vapor Pressure: not applicable

Vapor Density: not applicable

Solubility In Water: negligible

Specific Gravity: 0.91 – 0.97

PH: not applicable

Odor: mild

3. Fire and Explosion Hazard Data

Auto Ignition Temperature: not applicable

Method Used: not applicable

Flammable Limits:

LFL: not applicable

UFL: not applicable

Extinguishing Media: carbon dioxide, foam, dry chemical, water fog

Fire & Explosion Hazards: dense smoke emitted when burned without sufficient oxygen; accumulation of fine dust particles poses an explosion hazard

Firefighting Equipment: Wear positive-pressure, self-contained breathing apparatus in any closed space

4. Reactivity Data

Stability: Material is stable; (conditions to avoid) Temperature over 572°F (300°C) will release combustible gases.

Incompatibility: strong oxidizers

Hazardous Thermal Decomposition Products: Incomplete combustion may produce carbon dioxide, carbon monoxide, aldehydes, hydrocarbons or formaldehyde.

Hazardous Polymerization: will not occur

5. Spill, Leak & Disposal Procedures

Action to take for Spills/Leaks: Sweep or shovel up and hold for disposal.

Waste Management Procedure: Product is nonhazardous in its neat form.

Environmental Impact: This material is not expected to present any environmental problems.

6. Health Hazard Data

Eye: Solid or dust may cause irritation or corneal injury due to mechanical action; fumes from molten product may cause irritation.

Skin Contact: Essentially nonirritating to skin; mechanical injury only. Molten product may cause thermal burns.

Skin Absorption: A single prolonged skin exposure is not likely to result in the material being absorbed through skin in harmful amounts.

Ingestion: May cause choking if swallowed. Single-dose oral toxicity is believed to be very low. Considered physiologically inert.

Inhalation: Vapors are unlikely due to physical properties. Single exposure to dust is not likely to be hazardous.

Inhalation of fines or fumes from molten product may cause irritation to nose or throat.

Systemic & Other Effects: no relevant information found

7. First Aid

Eyes: Irrigate immediately with plenty of water; if irritation continues, get medical attention.

Skin: Wash off with soap and water; for thermal burns, cool molten materials with water and get medical attention.

Ingestion: no adverse effects anticipated by this route; no first aid should be necessary

Inhalation: If overcome by dust or fumes, remove to fresh air. If breathing is difficult, give oxygen and get medical attention; if victim has stopped breathing, give artificial respiration and get medical attention.

8. Personal Protection

Respirator: Wear dust mask if dust levels exceed 15.0 mg/m³.

Skin: protective gloves and long sleeves when handling molten material

Eyes: Safety glasses should be worn at all times; safety glasses should be worn when handling molten material.

Ventilation: Local ventilation is recommended to reduce dust and fumes when handling molten material.

9. Additional Precautions

Storage: Store in ventilated area away from sources of ignition; do not store with incompatible materials.

Transfer: static grounding recommended prior to transfer of product

10. Emergency Telephone Number

501-519-8868; Contact: Louis Vasquez

User Responsibility

This bulletin cannot cover all possible situations the user may experience during processing. Each aspect of the user's operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to employees and/or customers. Delta Plastics must rely on the user to use this information to develop appropriate work practice guidelines and employee instructional programs specific to the user's operations.

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