Catalog

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1. PVC (Polyvinyl Chloride)

- **Material Description:**

  Polyvinyl Chloride (PVC) is one of the most versatile thermoplastics, offering a combination of rigidity, impact resistance, and excellent chemical resistance. It is available in both rigid and flexible forms and can be processed easily, making it ideal for a variety of applications.

- **Applications:**
  - **Construction**: Pipes, fittings, flooring, window profiles.
  - **Medical**: IV bags, blood bags, surgical tubing.
  - **Consumer Goods**: Credit cards, signage, toys, and furniture.
  - **Electrical**: Cable insulation, electrical conduit.

2. PE (Polyethylene)

- **2.1 HDPE (High-Density Polyethylene)**
- **Material Description**:

  Strong, rigid plastic with excellent impact and chemical resistance.
- **Applications**:
  - Industrial containers, fuel tanks.
  - Durable household items like cutting boards.

2. PE (Polyethylene)

- **2.2 LDPE (Low-Density Polyethylene)**
- **Material Description**:

  Flexible, soft, lightweight plastic.
- **Applications**:
  - Grocery bags, packaging films, and squeeze bottles.

2. PE (Polyethylene)

- **2.3 LLDPE (Linear Low-Density Polyethylene)**
- **Material Description**:

  Flexible with superior tensile strength.
- **Applications**:
  - Heavy-duty films, silage wraps, packaging.

3. EVA (Ethylene Vinyl Acetate)

- **Description:**

  EVA is known for its shock-absorbing, flexible, and lightweight properties. It is commonly used in products that require cushioning and flexibility.

- **Applications:**
  - Footwear soles, sports equipment padding, yoga mats, and foam products.

4. PS (Polystyrene)

- **4.1 GPPS (General Purpose Polystyrene)**
- **Material Description**:

  Transparent, rigid plastic known for its excellent clarity.
- **Applications**:
  - Food packaging, disposable cups.


TRANSPARE
&
PACKAGIN

4. PS (Polystyrene)

- **4.2 HIPS (High-Impact Polystyrene)**
- **Material Description**:

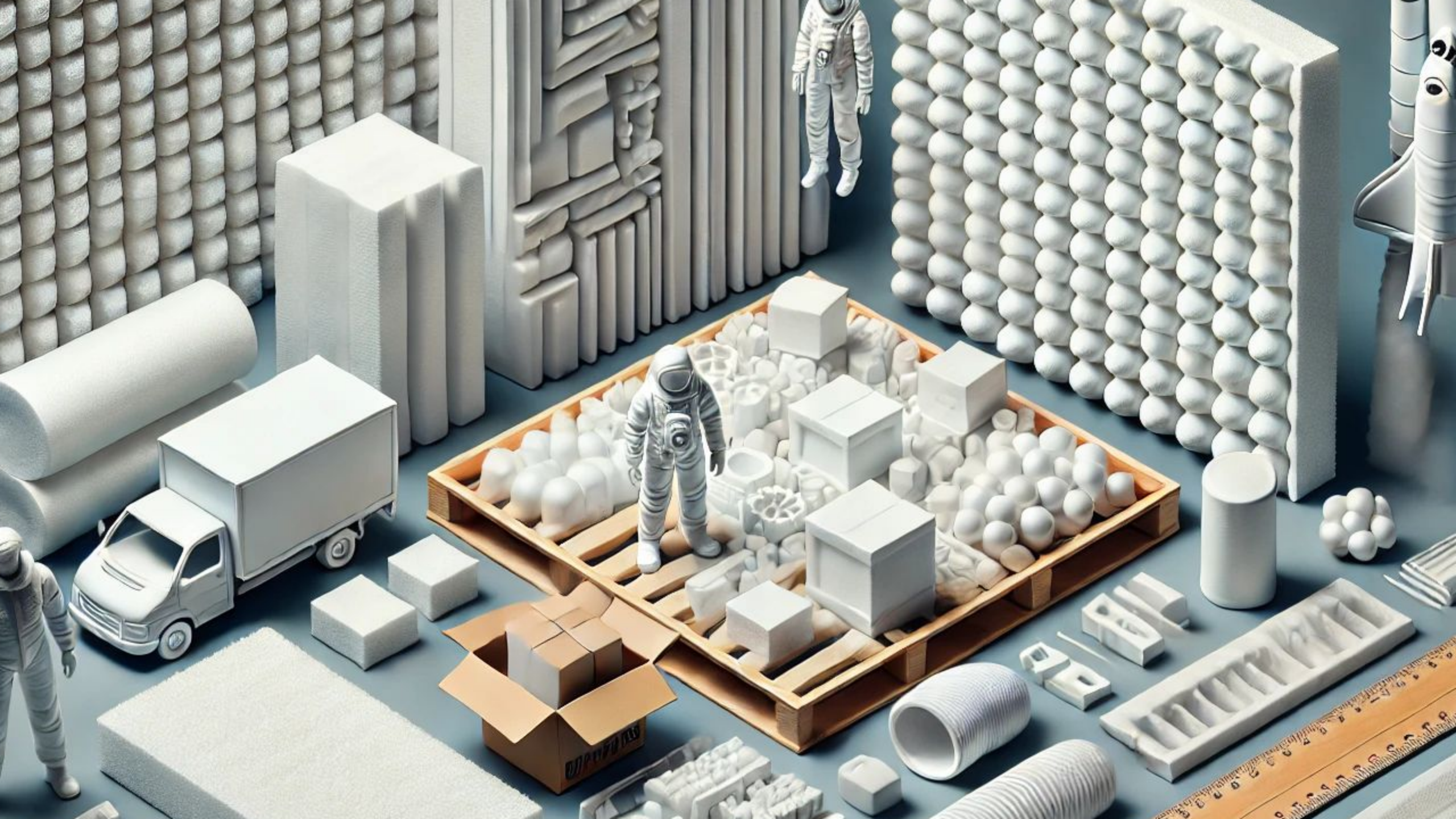
  A tougher version of PS, designed for better impact resistance.
- **Applications**:
  - Toys, automotive parts, and packaging.

5. EPS (Expanded Polystyrene)

- **Material Description:**

  EPS is a lightweight, foam plastic that offers excellent thermal insulation and shock-absorbing properties.

- **Applications:**
  - **Packaging**: Protective foam inserts, fragile item protection.
  - **Construction**: Insulation panels for buildings.



6. ABS (Acrylonitrile Butadiene Styrene)

- **Material Description:**

  ABS is a tough, impact-resistant plastic known for its durability and versatility in consumer and industrial products.

- **Applications:**
  - Automotive parts, consumer electronics, toys (e.g., LEGO bricks).

7. SAN (Acrylonitrile Styrene)

- **Material Description:**

  SAN offers high transparency, along with excellent chemical and heat resistance.

- **Applications:**
  - Cosmetic containers, food storage jars.

8. PP (Polypropylene)

- **Material Description:**

  PP is a lightweight, chemical-resistant plastic with high fatigue resistance, making it ideal for products that need to withstand repeated stress.

- **Applications:**
  - Food containers, medical syringes, automotive parts.

9. PC (Polycarbonate)

- **Material Description:**

  PC is a strong, transparent plastic that combines high impact resistance and optical clarity.

- **Applications:**
  - Eyewear lenses, security shields, and medical equipment.

10. PET (Polyethylene Terephthalate)

- **Material Description:**

  PET is a lightweight, durable plastic often used for packaging and fibers. It is recyclable and widely used for bottles and textiles.

- **Applications:**
  - Bottles, food trays, and polyester fibers.

11. POM (Polyoxymethylene)

- **Material Description:**

  POM, also known as acetal, is a high-performance engineering plastic with excellent mechanical strength and low friction.

- **Applications:**
  - Gears, bearings, and automotive components.