





Product Selection Guide

FORMERRA MATERIAL HANDLING SOLUTIONS



Material Handling

Brand owners invest an incredible amount of energy designing facilities to operate as efficiently as possible for manufacturing and production. In these facilities, the operating equipment is specially designed to move, store, control and protect the materials. So it's crucial this equipment perform accurately during each step of the process from manufacturing the materials to distribution.

At Formerra, we can help you solve your toughest facility challenges by providing the latest technologies and a specialized approach for materials, colorants and additives. With a dedication to sustainable solutions, technical and logistics expertise, and innovative design engineering capabilities, we can help you mitigate risk, optimize design, and accelerate product commercialization.



Our Suppliers

























Material Handling

Applications include:

- Material handling gears
- Chains and tools
- Conveyor belting
- · Rack coating
- Tow motors
- Fork lifts

- Pallets
- Totes
- Bins
- Tilt trucks
- · Carts, dollies
- · Lift tables

Material handling solution needs:

- · Light Weight
- Malleability
- · Strength
- Stability
- · Processability
- · Reusability

- Resistance to Chemicals and Moisture
- · Low COF
- · Scratch and Mar Resistance

Acrylonitrile butadiene styrene (ABS)

INEOS Styrolution Lustran®

This product line contains grades with a well-balanced mix of properties for injection molding, including good impact strength, dimensional stability, and both high and low gloss surface appearance.

INEOS Styrolution Terluran®

A medium flow, injection molding grade with very high resistance to impact with excellent heat distortion that is suitable for injection molding and extrusion. This portfolio features: high toughness, very high impact, medium flow, great mechanical strength and rigidity, high impact at sub-zero temperatures.

Acetal

DuPont Delrin®

This portfolio combines low-friction and high-wear resistance with high strength and stiffness, making it an ideal material in parts designed to replace metal. Uses include: high-load mechanical applications such as gears, safety restraints, door systems, conveyor belts, and other demanding products and parts. Key features include: higher tensile strength, stiffness, creep and fatigue resistance, and significantly higher impact resistance.

High Density Polyethylene (HDPE)

Avient Maxxam

Family tailored to cover a wide range of applications, markets and performance requirements. Standard grades are compounded with calcium carbonate, glass and talc to provide a desired balance of properties including stiffness, durability, impact resistance and heat resistance. Custom grades are available.

Chevron Phillips Marlex®

Tailored for injection molded applications that require: moderate flow, excellent impact strength, good stiffness, and durability. Typical applications include: industrial pails, pail and drum lids.

DOW Dow[™] HDPE

Portfolio intended for injection molded crates, cases, totes, and other parts needing high modulus. Has excellent stiffness and warp resistance.

Linear Low Density Polyethylene (LLDPE)

Chevron Phillips Marlex®

Tailored for blown film applications that require: good toughness properties, good drawdown, and excellent processing characteristics. Typical applications include: industrial films and bags, thin gauge applications, general purpose packaging.

Polyamide/Nylon (PA)

Celanese Zytel®

This portfolio is proven in a wide range of applications and delivers high-performance benefits ranging from stiffness to chemical resistance.

Nylene®

An impact-modified nylon 6,6 compounded copolymer with a high melt point, wear resistance, and increased flexibility.

Polybutylene Terapht (PBT)

Celanese Crastin®

This portfolio features stiffness and toughness, exceptional surface finishes, excellent dimensional properties and stability versus moisture as well as heat resistance. It is extremely versatile. It's available in FDA and EU approved grades for food and cosmetics applications.

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Polypropylene (PP)

Avient Maxxam	Family of polypropylene based products that covers a wide range of applications, markets and performance requirements. Standard grades are compounded with calcium carbonate, glass and talc to provide a desired balance of properties including stiffness, durability, impact resistance and heat resistance.
INEOS PP	Designed for use in injection molding applications requiring high temperature resistance. Key features include: food contact acceptable, high heat resistance, heat aging resistant, homopolymer.
LyondellBasell Pro-fax	Family of homopolymers, random and impact copolymer polypropylene products with a wide range of performance characteristics, from high stiffness to good impact and heat resistance.
Pinnacle Polymers Pinnacle PP	This product is intended for injection molding applications that require fast cycle time, improved color, enhanced processability and excellent clarity. Other features include: Random Copolymer, Food Contact Acceptable, and High Impact Resistance.

Thermoplastic Elastomer (TPC-ET)

Celanese Hytrel®

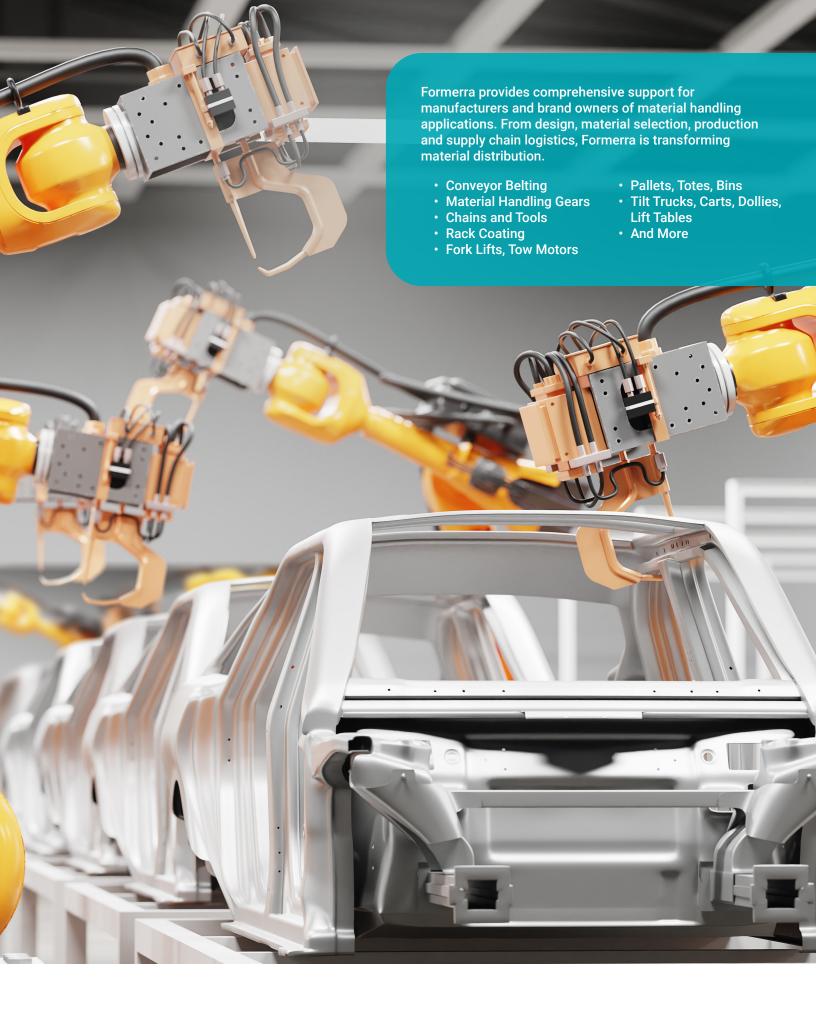
TA family that includes mechanical and physical properties such as exceptional toughness and resilience, high resistance to creep, impact and flex fatigue, flexibility at low temperatures and good retention of properties at elevated temperatures. In addition, it resists many industrial chemicals, oils and solvents and is food contact compliant.

Thermoplastic Polyurethane (TPU)

Celanese Hytrel®

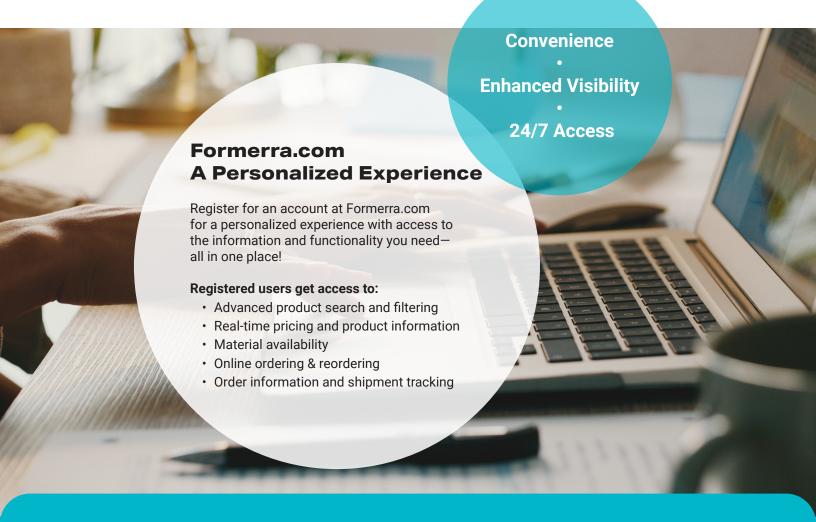
TA family that includes mechanical and physical properties such as exceptional toughness and resilience, high resistance to creep, impact and flex fatigue, flexibility at low temperatures and good retention of properties at elevated temperatures. In addition, it resists many industrial chemicals, oils and solvents and is food contact compliant.







At Formerra, we're prepared to help you mitigate risk, optimize design, and accelerate commercialization.



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Market Intelligence

Material Selection

Custom Formulations

Manufacturing Optimization

Technical Support

Supply Chain Optimization

Regulatory Compliance Support

Global Reach

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