

## Basic Plastics and Feedstocks

Trinseo Basic Plastics and Feedstocks is a business division with a broad plastics portfolio including polystyrene, co-polymers (ABS, SAN) and polycarbonate, as well as styrene monomer.

Trinseo Basic Plastics and Feedstocks is anchored by a premier polystyrene franchise that is a top-three supplier globally in polystyrene (including company share of joint venture).

Trinseo Basic Plastics and Feedstocks supplies numerous industries – including packaging, appliances, building and construction, transportation, and consumer goods – in all geographic regions. The business offers differentiated ABS technology, recognized leadership in application development and enduring customer partnerships.

**Table 1:**

	Polystyrene	ABS/SAN	Polycarbonate
<b>Key Products</b>	<ul style="list-style-type: none"> <li>General Purpose Polystyrene (GPPS)</li> <li>High Impact Polystyrene (HIPS)</li> </ul>	<ul style="list-style-type: none"> <li>Acrylonitrile Butadiene Styrene (ABS) Resins</li> <li>Styrene Acrylonitrile (SAN) Resins</li> </ul>	<ul style="list-style-type: none"> <li>Polycarbonate Resins (PC)</li> </ul>
<b>Top Brands</b>	<ul style="list-style-type: none"> <li>STYRON<sup>TM</sup></li> <li>STYRON A-TECH<sup>TM</sup></li> <li>STYRON<sup>TM</sup> C-TECH</li> </ul>	<ul style="list-style-type: none"> <li>MAGNUM<sup>TM</sup></li> <li>TYRIL<sup>TM</sup></li> </ul>	<ul style="list-style-type: none"> <li>CALIBRE<sup>TM</sup></li> <li>CALIBRE<sup>TM</sup> MEGARAD<sup>TM</sup></li> </ul>
<b>End Use</b>	<ul style="list-style-type: none"> <li>Appliances</li> <li>Building and Construction</li> <li>Consumer Goods</li> <li>Electrical</li> <li>Lighting</li> <li>Packaging</li> <li>Consumer Electronics</li> </ul>	<ul style="list-style-type: none"> <li>Appliances</li> <li>Automotive and RV</li> <li>Building and Construction</li> <li>Consumer Goods</li> <li>Furniture</li> <li>Packaging</li> <li>Sheet and Profile</li> </ul>	<ul style="list-style-type: none"> <li>Appliances</li> <li>Consumer Electronics</li> <li>Consumer Goods</li> <li>Medical Devices</li> <li>Optical Media</li> <li>Sheet and Profile</li> </ul>

The company also produces styrene monomer, a feedstock use in polymer production.

### Technology

Trinseo was founded on a unique combination of strong capabilities including technology leadership, world-class production assets and a global team of technical experts. Building on more than seven decades of manufacturing, commercial and technological expertise, we are passionately focused on delivering high-performance products and innovative thinking to our customers.

For the Basic Plastics and Feedstock division, Trinseo has six Research & Development (R&D) and testing laboratories, two color laboratories and three pilot polymerization facilities. Key locations for R&D include Terneuzen, Netherlands; Stade, Germany; Tsing Yi, Taiwan and Midland, Michigan, U.S.

Trinseo has highly efficient manufacturing sites with a proven record of operating excellence. Our manufacturing assets boast a 99% asset mechanical reliability, 5% above the industry average. Trinseo people are strongly committed to safety and environmental performance, and are proud to have an industry-leading safety record.

**Table 2:** Major Plants and Locations

Manufacturing Plants	Styrenic Polymers (PS, ABS & SAN)	Polycarbonate	Styrene Monomer
Midland, Michigan, U.S.	•		
Hsinchu, Taiwan		•	
Merak, Indonesia	•		
Tessenderlo, Belgium	•		
Boehlen, Germany			•
Schkopau, Germany	•		
Stade, Germany		•	
Terneuzen, Netherlands	•		•
Tsing Yi, Hong Kong	•		

## Products & Applications

### Building & Construction

Architects, engineers and building owners are always looking for ways to increase the safety, strength and sustainability of their structures and signs, without detracting from the style. Trinseo offers a variety of plastic resins that can offer the clarity of glass, the strength of steel and the light weight of aluminum, as well as providing additional insulation and UV-resistant properties.

#### Applications

- Transparent roofing and glazing
- Industrial signage and road marking
- Hurricane panels
- Insulation
- Sanitary (bathtub liners and shower trays)

#### Products

- CALIBRE™ Polycarbonate Resins
- MAGNUM™ ABS Resins
- STYRON™ Polystyrene Resins
- TYRIL™ SAN Resins

### Consumer Goods

When it comes to consumer goods, durability and style are key. From housewares and bathroom fittings to outdoor products and recreation equipment, consumers want products that look good and can handle rough play, extreme weather and heavy use. Trinseo has solutions that meet these needs, as well as many other special requirements.

#### Applications

Wide range of consumer goods, from protective sunglasses over helmet visors to transparent furniture

#### Products

- CALIBRE™ Polycarbonate Resins
- TYRIL™ SAN Resins
- STYRON™ Polystyrene Resins
- STYRON A-TECH™ Polystyrene Resins
- MAGNUM™ ABS Resins

### Home Appliances

As emerging markets around the world continue to expand and develop, demand for appliances is growing rapidly. But consumers are also concerned about style, energy efficiency, durability and cost. With 70 years of experience with the home appliance industry, Trinseo is a reliable resin supplier of proven grades tailored for the different applications of the industry. Trinseo's resins contribute to high-performance end products with consistent property balance and high gloss aesthetics.

#### Applications

- Cold appliances (refrigerators and freezers)
- Air conditioning
- Wet appliances (washers, dryers and dishwashers)
- Small and other appliances

#### Products

- STYRON™ Polystyrene Resins
- STYRON A-TECH™ Polystyrene Resins
- MAGNUM™ ABS Resins
- TYRIL™ SAN Resins
- CALIBRE™ Polycarbonate Resins

### Packaging

Protection, convenience and quality are just some of the vital elements in ensuring that the consumer trusts the final packaged product. Trinseo meets the changing needs of the packaging industry through performance products with enhanced properties and broadened processing windows.

#### Applications

- Dairy packaging
- Food service
- Polystyrene bottles

#### Products

- STYRON™ Polystyrene Resins
- STYRON A-TECH™ Polystyrene Resins
- CALIBRE™ Polycarbonate Resins
- TYRIL™ SAN Resins
- STYRON™ C-TECH Polystyrene Resins

### Sheet & Profile Extrusion

Good processability, high consistency, thermal stability – all are important to the sheet and extrusion profile applications. Trinseo addresses all these concerns with a broad range of ABS and polycarbonate resins for a variety of application needs.

#### Applications

- Opaque sheet
- Clear sheet
- Floor mat
- Edgebands and profiles

#### Products

- MAGNUM™ ABS Resins
- CALIBRE™ Polycarbonate Resins

**For more information about Basic Plastics and Feedstocks, visit [www.trinseo.com](http://www.trinseo.com).**