



Materials. Powering Ideas.

Tough Materials
for Household- & Commercial-Use
Consumer Electronic Equipment
Housings

Turning Ideas into Reality

About Trinseo

Trinseo (NYSE: TSE) is a global materials solutions provider and manufacturer of plastics, latex binders, and synthetic rubber. We are focused on delivering innovative and sustainable solution to help our customers create products that touch lives every day – products that are intrinsic to how we live our lives – across a wide range of end-markets, including automotive, consumer electronics, appliances, medical devices, lighting, electrical, carpet, paper and board, building and construction, and tires.

Trinseo Fast Facts

- More than 70 years of technology and marketplace leadership
- More than 2,200 employees in 27 countries
- 67 manufacturing units in 18 production sites
- 2 major business divisions: Performance Materials, Basic Plastics & Feedstocks

Widespread Manufacturing Assets



R & D, Quality & Customer Services Supports

Trinseo's Research & Development and testing laboratories for our plastics business are strategically located across North America, Europe and Asia Pacific. Our technical experts continuously work with our customers to understand ongoing requirements and ensure continuous improvement and innovation throughout our relationships.

All of our manufacturing facilities adhere to disciplined quality processes to provide material consistently and reliably, according to specification. In addition, our management system integrates the key elements of several external standards into its best practices, including ISO-9001 and 1400.

No matter where you are, our global customer service representatives are within reach. You can get immediate assistance through our customer services hotline for issues ranging from a general question about our product offerings to a request for a technical data sheet to a specific handling procedure for a particular product.

Sustainability & Corporate Social Responsibility

Trinseo is highly engaged in practices that promote the safe and sustainable management of our products. We encourage our suppliers and customers to join our efforts to collaborate, innovate and elevate industrial practices in the safe management of chemical products throughout their life cycle.

Trinseo adheres to a robust Ethics and Compliance program and is a Responsible Care® company. As a signatory to the Responsible Care Guiding Principles, we are committed to the continuous improvement of our performance in matters of health, safety and the environment, and to ongoing communication with stakeholders about our products and processes.

For more information about our sustainability practices and achievements, please visit our website at www.trinseo.com/sustainability



Durable Solutions for Technology

When it comes to fast-paced innovations, there's no industry like the consumer electronics industry. Competition is so keen that our customers must stay ahead of the curve to be competitive. Functionality is key, and so are aesthetics and design flexibility.

Trinseo collaborates with customers on a wide range of consumer electronics applications – from smart phones, where our polycarbonates and polycarbonate blends help provide strength to the housings, even as sets get slimmer and slimmer; to flat screen TVs, where our advanced polystyrene resins provide you with economical solutions.

Product Available for Consumer Electronics Applications

Consumer Devices & Enclosures



Flat panel TV

- Enclosure
- Insulation film
- Back light unit frame



Game console, Smart phone, Tablet, Wearable Device, Motion camera, etc.

- Enclosure
- Accessories: Enclosure for adaptor & charger

Business Technology Equipment



Printer/All-in-one machine

- Enclosure
- Internal structural parts



Laptop

- Enclosure
- Label film
- Back light unit frame

Brand	Polymer Family	Features
CELEX™ 	PC PC/ABS ABS/GF	• Chlorine & bromine additives free
EMERGE™ 	PC PC/GF PC/ABS	• Tailor made colors • Ignition Resistant • Chlorine & bromine additives free
EMERGE™ 	Post-Consumer Recycled (PCR) PC PC/ABS	• A balance of flowability, ductility, stiffness and thermal resistance • Recycled material portion ranging from 50% to 90%
MAGNUM™ 	ABS	• Superior natural whiteness • Pre-colored resins for selected products • Excellent lot-to-lot consistency • Impact resistance • Good flowability

Trinseo's Product Offerings

Product	Generic	Major Characteristics	Consumer Devices & Enclosures										Business Technology Equipment				Accessories		
			Flat Panel TV	Set-top Box	Wifi Box	AV Equipment	Game Console	Smart Phone	Tablet	Wearable Devices	Motion Camera	Laptop / Monitor	Printer / All-in-one machine	Router	Server	Charger	Adaptor	Label	
																			
EMERGE™ PC 8600ECO-10	PCR IR PC	• Contain 50% post consumer recycled PC			●	●			●		●	●		●	●	●	●		
EMERGE™ PC 4310-10/15/22	PC	• Tailor made colors		●	●	●													
EMERGE™ PC 4330-10/15/22	PC	• Tailor made colors		●	●	●		●			●			●					
EMERGE™ PC 4330ECO	PCR PC	• Up to 75% post consumer recycled PC • Tailor made colors		●	●	●			●		●	●		●					
EMERGE™ PC 4350-10/15/22	PC	• Tailor made colors • Good weatherability • UL 94 V-2 @ 0.5mm • Superior UV stability		●	●	●			●	●	●			●					
EMERGE™ PC 4902	IR PC/GF	• High flow • Good stiffness		●	●	●					●	●							
EMERGE™ PC 4903	IR PC/GF	• Good aesthetics • High stiffness • Good flow • UL 94 V-0 @ 1.0mm		●		●			●			●							
EMERGE™ PC 4951	IR PC/GF	• Superior aesthetics • Good flow • Suitable RHCM process • UL 94 V-0 @ 1.0mm							●		●								
EMERGE™ PC 4952	IR PC/GF	• Superior aesthetics • Suitable RHCM process • High stiffness • UL 94 V-0 @ 1.0mm • Good flow							●			●							
EMERGE™ PC 6900	IR PC	• Excellence flow • Good aesthetics	●	●	●	●	●	●	●		●	●		●					
EMERGE™ PC 8110-10/15	IR PC	• Good thermal resistance • UL 94 V-0 @ 1.0mm		●	●	●			●					●	●	●	●		
EMERGE™ PC 8130-6/10	IR PC	• Good thermal resistance • UL 94 V-0 @ 1.0mm • UL 746C f1							●	●					●				
EMERGE™ PC 8230-10/15	IR PC	• Good thermal resistance • Good weatherability • UL 746C f1 • UL 94 V-0 @ 1.5mm		●	●	●				●	●	●		●	●	●	●		
EMERGE™ PC 8310-10(AP)	IR PC	• Transparent Available • UL 94 V-0 @ 3.0mm		●	●	●	●				●								
EMERGE™ PC 8330-10/15/22	IR PC	• Transparent Available • Excellence thermal resistance • UL 94 V-0 @ 2.5mm • UL 746C f1		●	●	●	●				●								
EMERGE™ PC 8430-10	IR PC	• Transparent Available • Excellence thermal resistance • UL 94 V-0 @ 1.8mm • UL 746C f1		●	●	●				●	●				●				
EMERGE™ PC 8430-7 LT	IR PC	• Transparent Available • Good weatherability • Excellence thermal resistance • UL 94 V-0 @ 1.5mm • UL 746C f1		●	●	●				●					●	●	●		
EMERGE™ PC 8600-10/20	IR PC	• Good flowability • Excellence ductility • Good thermal resistance		●		●		●	●		●	●		●	●	●	●		
EMERGE™ PC 8701	IR PC/GF	• Good toughness • UL 94 V-0 @ 1.5mm		●									●						
EMERGE™ PC 8702-5/10/15(AP)	IR PC/GF	• Good stiffness • Good thermal resistance		●									●						
EMERGE™ PC 8731	IR PC/GF	• Good toughness • Good weatherability • UL 94 V-0 @ 1.5mm • UL 746C f1								●			●						
EMERGE™ PC 8980-6	IR PC	• Superior retardancy • Excellence thermal resistance																●	
EMERGE™ PC/ABS 7502	IR PC/ABS/GF	• Good aesthetics • Chlorine and bromine flame retardant free							●				●						
EMERGE™ PC/ABS 7560	IR PC/ABS	• High flow	●	●	●	●	●		●			●		●	●				
EMERGE™ PC/ABS 7580	IR PC/ABS	• Good toughness • Excellence thermal resistance			●						●		●	●	●				
EMERGE™ PC/ABS 7590	IR PC/ABS	• Good toughness	●	●	●	●	●	●	●		●	●		●	●				
EMERGE™ PC/ABS 7590ECO	IR PC/ABS	• Contain 60% post consumer recycled PC • No chlorine/bromine additives		●	●	●		●	●		●	●		●	●				
EMERGE™ PC/ABS 7800	PCR IR PC/ABS	• Contain 40% post consumer recycled PC • No chlorine/bromine additives		●		●					●	●		●	●				
EMERGE™ PC/ABS 7800ECO	PCR IR PC/ABS	• Contain 50% postconsumer recycled PC • UL94 V-0 @1.0mm/518@2.0mm	●	●	●	●	●	●	●		●	●	●	●	●				
EMERGE™ PC/ABS 7350	PC/ABS	• Excellence color stability • Good flow • Low plate-out		●	●	●					●			●					
Experimental XQ 8361900	IR PC	• High light reflectivity • Superior UV resistance • Excellence thermal resistance	●					●				●							
Experimental XQ 8362500	IR PC/GF	• High stiffness • Good flow • UL 94 V-0 @ 1.0mm		●					●			●	●						
MAGNUM™ 3453	ABS	• Excellence color stability • Good flow • Low plate-out		●	●	●					●	●	●						

● Enclosure Application ● Structural Part Application



The principles of Responsible Care® and Sustainable Development influence the production of printed literature for Trinseo S.A. and its affiliated companies. As a contribution towards the protection of our environments, Trinseo's printed literature is produced in small quantities and on paper containing recovered/post-consumer fiber and using 100 percent soy-based ink whenever possible.

PRODUCT STEWARDSHIP

Trinseo and its affiliated companies have a fundamental concern for all who make, distribute, and use their products and for the environment in which we live. This concern is the basis for our Product Stewardship philosophy by which we assess the safety, health, and environmental information on our products so that appropriate steps may be taken to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Trinseo products – from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

CUSTOMER NOTICE

Customers are responsible for reviewing their manufacturing processes and their applications of Trinseo products from the standpoint of human health and environmental quality to ensure that Trinseo products are not used in ways for which they are not suitable. Trinseo personnel are available to answer questions and to provide reasonable technical support. Trinseo product literature, including safety data sheets, should be consulted prior to the use of Trinseo products. Current safety data sheets are available from Trinseo.

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