

Composite Rubberized Pallets

Durable, 100% recycled logistics pallets from waste tires & plastics

Global Trade Group LLC

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The Waste Problem



330
MILLION

Scrap tires generated in the U.S.
every year



73
MILLION TONS

Plastic waste produced in the U.S.
every year

Most of it is landfilled, stockpiled, or incinerated — a mounting environmental burden and a wasted resource.

The Hidden Cost of Wooden Pallets

2 Billion

Wooden pallets in circulation in the U.S.

500M / yr

Worn-out pallets replaced every year

~50%

Of the U.S. annual hardwood harvest consumed

- ~50% are single-use, then discarded — galvanized nails make them hard to recover, so most end up in landfills.
- Soft pine takes 8–10 years to mature — and a single tree yields only 6–8 pallets.
- ~7.6 billion board feet of lumber a year — enough to cover an area 10× the size of New York City.



Our Solution: Composite Rubberized Pallets

We convert **waste plastic + used tire crumb + a specially developed chemistry** into a composite thermoplastic elastomer (TPE) — molded into durable logistics pallets built to each customer's specification.



~100% Recycled

Built almost entirely from diverted tire and plastic waste



Superior Performance

Matches or outperforms wood and virgin-plastic pallets



Fully Customizable

Any size, shape, color, load rating
— rackable & nestable

A Closed-Loop Circular Economy



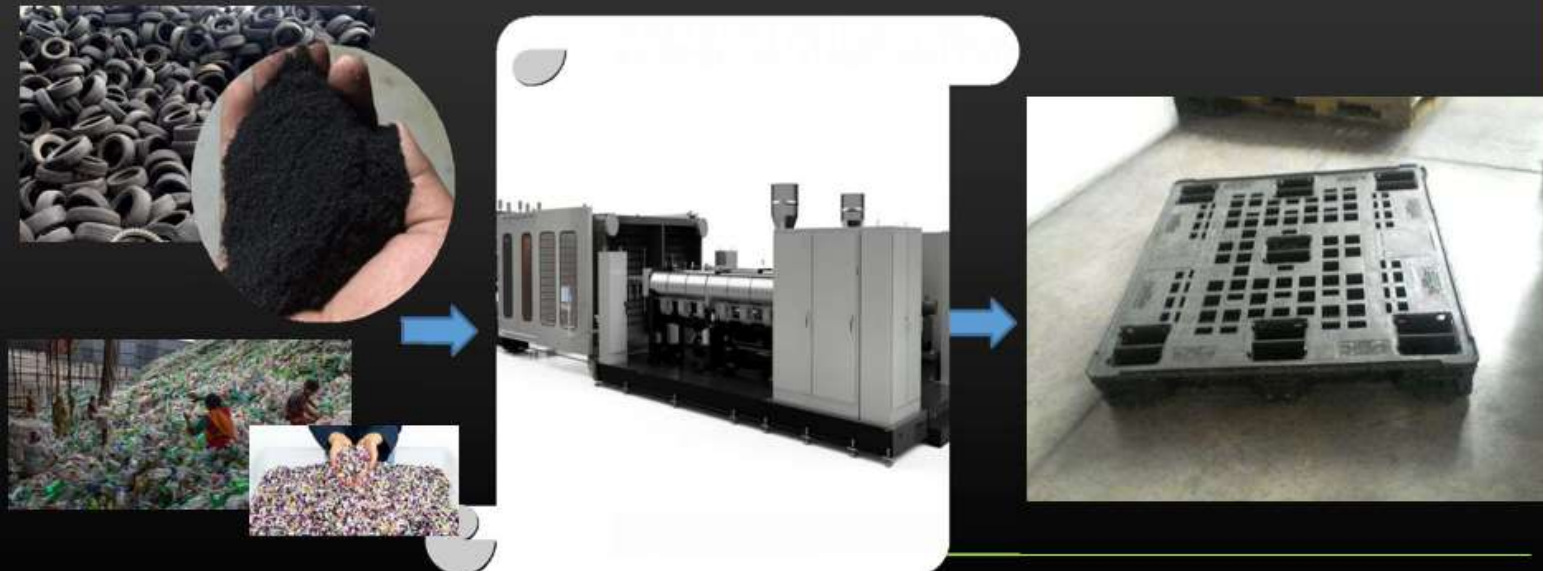
What Are Thermoplastic Elastomers (TPEs)?

- A proven material with a long track record across automotive, molded goods, and industrial applications
- Environmentally sustainable — built from recycled tire and plastic feedstock
- Performs as well as, or better than, virgin-material mixtures
- Cost-effective and highly moldable at production scale
- Our team has already engineered auto dashboards, composite logistics pallets, and 30+ other molded products

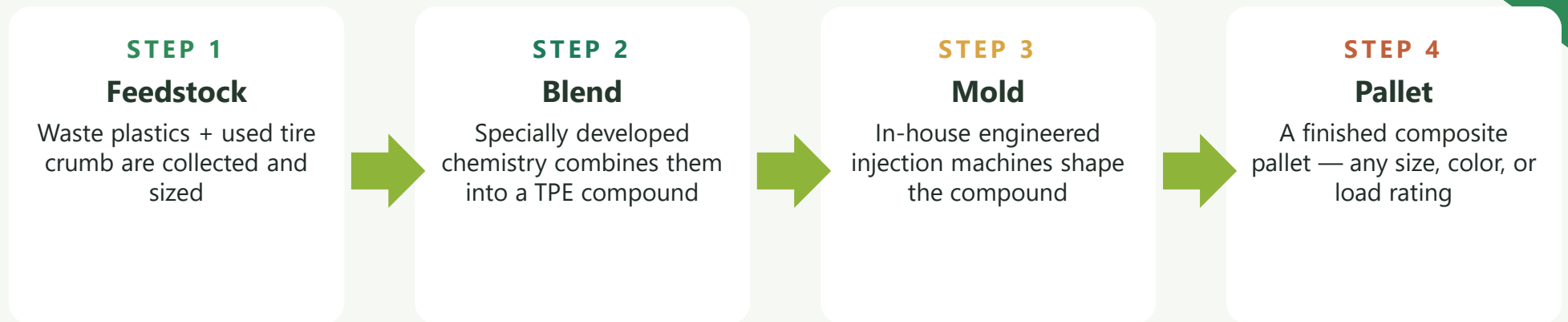


TPE MOLDING PROCESS TO PALLETS

The waste or virgin plastic is added to crumb rubber and then the chemicals are mixed together and introduced into the molding machine, designed by our engineers, to produce the Logistic Composite Pallets of any size, dimension, and load weight according to end customer's needs.

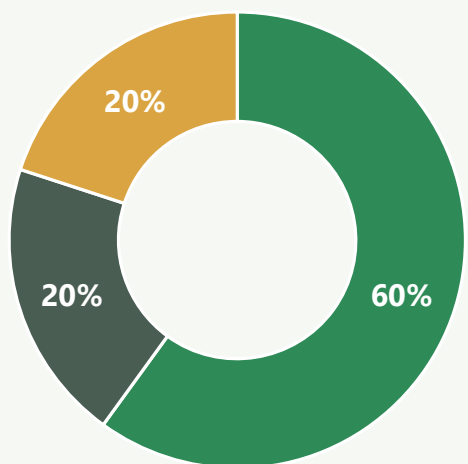


From Waste to Pallet: The Process



What's in a Tire? Our Raw Material

Passenger Car Tire (~10 kg)



■ Rubber ■ Steel ■ Other*

Rubber is the prize.

Roughly 60% of every scrap tire is reclaimable rubber — the core ingredient of our TPE compound.

~10 kg average scrap-tire weight

2–4 kg crumb rubber recovered per pallet

**Other includes fiber, oils, waxes, and pigment.*

Logistics Pallets: Built Your Way



Any Size & Shape

Molded to any footprint or deck profile



Rackable & Nestable

Stacks tight to cut return freight



Custom Load Rating

Dynamic & static ratings to spec



GPS-Ready

Embedded slot for tracking devices



Surface Treated

Sealed, washable, and hygienic



Any Color

Brandable and code-friendly

Composite Pallet Specifications

Model	Dimensions (mm)	Weight	Entry	Dynamic	Static	Per 16 m Trailer
CP7 Petrochemical	1300 × 1100 × 130	—	4-way	1,500 kg	4,000 kg	—
Nestable A	1016 × 1220 × 146	18 kg	4-way	2,000 kg	14,000 kg	1,000+
Nestable B	1143 × 1143 × 140	18 kg	4-way	2,000 kg	14,000 kg	900
Nestable C	1016 × 1220 × 150	22 kg	4-way	2,000 kg	12,000 kg	850+

Fully configurable: any size, color, and deck type on demand — including USDA/FDA-approved food-grade material, plus rackable, nestable, and solid-deck options.

Our Composite Pallet Range



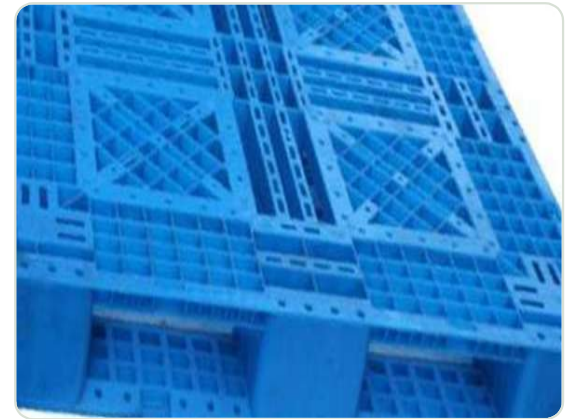
Nestable

Stacks tight to slash return-freight costs



Solid-Deck & Rackable

Washable, durable and hygienic — built to cycle



4-Way Entry

1,500–2,000 kg dynamic load capacity

Wooden vs. Composite Pallets

Attribute	Wooden Pallet	Composite Pallet
Hygiene (HACCP)	Low	High
Water absorption	Absorbs water	None
Nails & splinters	Damage goods	None
ISPM-15 fumigation	Required	Exempt
RFID / GPS ready	Limited	Yes
Design flexibility	Low	Any size & shape
Recyclability	Low	~100% recyclable
Residual value	Pure cost	Resale / ROI
Service life	Short	Long & durable

An Integrated Production Line

Four modular stages — all USA- or EU-built, designed and commissioned by a team with 30+ years in the field.



A

Tire Shredding

Scrap tires reduced to clean crumb rubber.



B

Plastic Recycling

Waste plastics processed into feedstock at 5 t/hr per line.



C

TPE Compounding

Rubber, plastic and chemistry pelletized into TPE.



D

Pallet Molding

TPE injection-molded into finished composite pallets.

Injection Molding at Scale



750K
pallets/year, per machine

POWER

3-phase · 480 V · 2,000 A supply

INPUT

TPE feedstock — recycled plastics + crumb rubber + chemistry

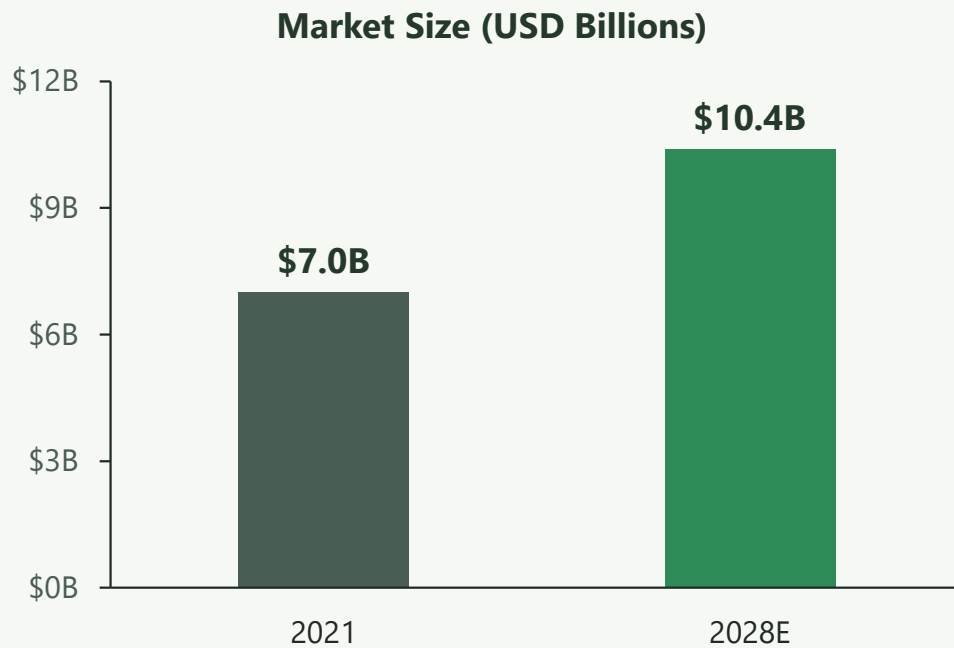
TOOLING

Interchangeable molds for any size, shape or load rating

DEPLOYMENT

Three machines per location → 250,000 pallets each

A Growing Global Market



5.6%

CAGR, 2021–2028

\$7.0B → \$10.4B

Global plastic-pallet market (base year 2020). Composite pallets are built to capture premium, sustainability-driven demand.

The U.S. Replacement Opportunity

80%

of U.S. commerce moves
on pallets

2B

wooden pallets in
circulation

500M

replaced every single year

~50%

are single-use, then
discarded

Every worn or single-use wood pallet is a composite pallet waiting to be sold.

Why Composite Rubberized Pallets



Sustainable

~100% recycled from waste tires and plastics — a true closed loop



Higher Performance

Hygienic; no nails, splinters, rot or water damage



Fully Customizable

Any size, shape and color; rackable, nestable, GPS-ready



Trade-Ready

ISPM-15 exempt — no fumigation paperwork or border delays



Strong Returns

Over 25% annual ROI, with payback in under 2.5 years



Proven Team

220+ years combined experience — molding production pallets today

CLOSED LOOP · CIRCULAR ECONOMY · THE POSSIBILITIES

Thank You

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