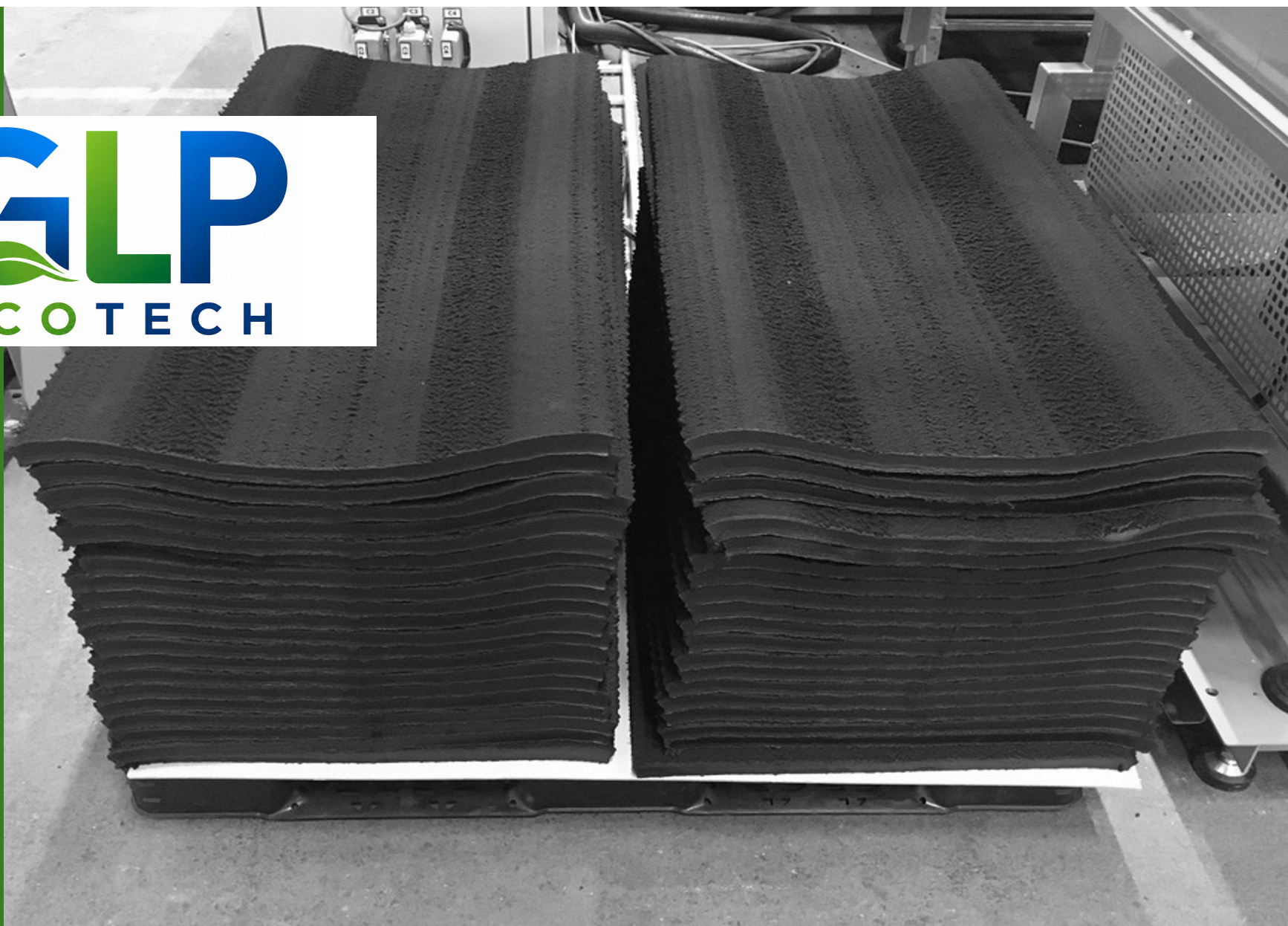




End-of-Life Tires are a Global Societal Challenge

Over **1 billion tires** reach end-of-life each year

15% are sent to **landfill or illegally dumped**

40% are **burned**, releasing 10 million tonnes CO₂

Demand for new tires has contributed to over **4 million hectares** of tropical forest cleared for rubber plantations since 2003

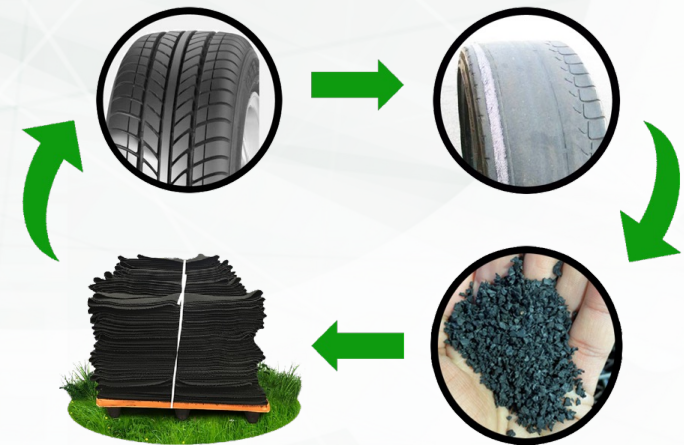
Our Vision

A world where end-of-life tires are no longer waste — but a clean, circular resource that helps protect our climate and forests.

Your Benefits

Unleash the circularity potential through the patented devulcanization technology:

- Profitably drive sustainability goals
- Replace virgin natural rubber
- Reduce CO₂ emissions
- Drive regulatory compliance



TDP – Circular Solution for Tires

Customer

- TDP brings cost and circular benefits
- Between 5 -20% of TDP can be used in tires

Choosing the right feedstock

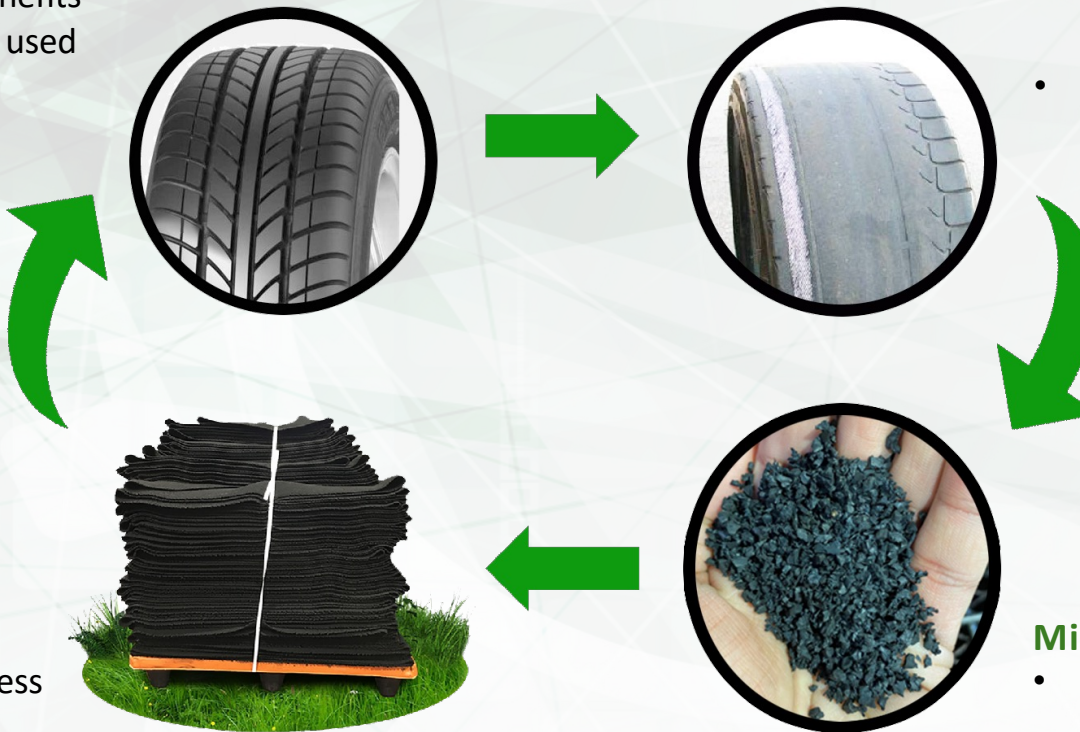
- Different end-of-life tires determine product properties
- Truck tires, mining tires, passenger car tires, etc

Milling

- Range of particle sizes can be used in the technology

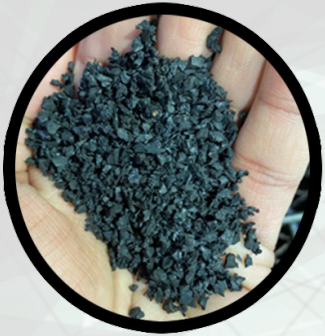
Devulcanisation

- Control the production process to influence key parameters
- This includes tensile strength and viscosity

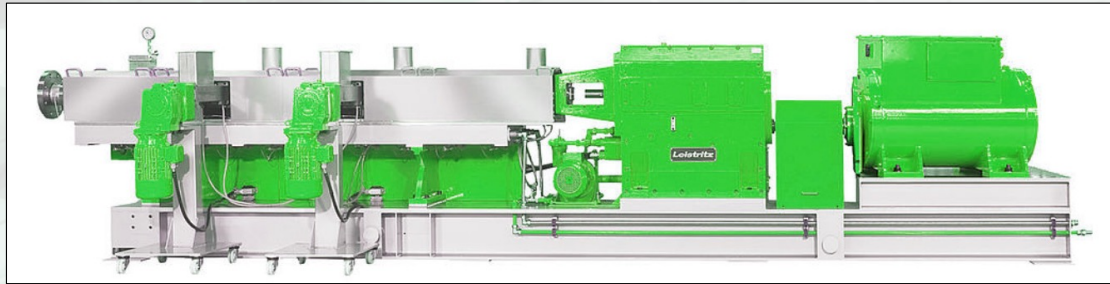


Tires is an example – there are many more applications for devulcanised rubber into mats, shoesoles, conveyor belts, etc!

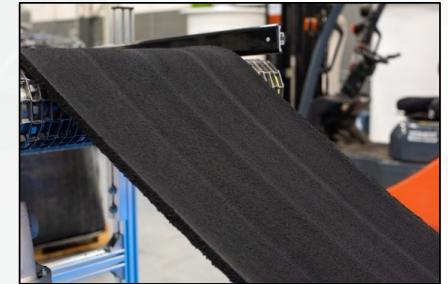
Devulcanisation Technology



*Rubber crumb
from end-of-life tires*



- Extrusion process, no chemicals added
- Reduce compound cost
- Reduce consumption of virgin materials
- Reduce CO₂ footprint



*100% recycled (devulcanized)
rubber from scrap tyres*

Proven technology with commercial facilities in operation globally



Product Properties

No Contaminants

No chemicals added in the process

Metal free

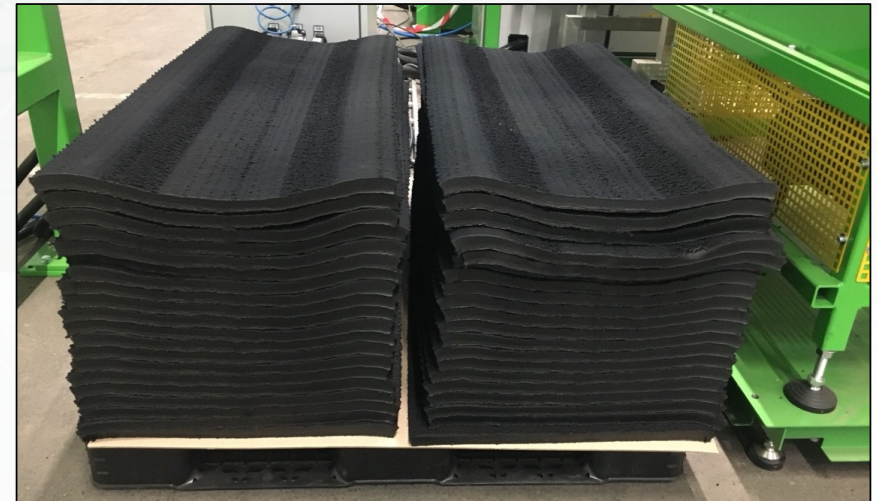
TDP material strained to 20/30 mesh

Consistent Viscosity

Process controllable to Mooney Viscosity

Easy mixing

Standard slab material of 10 kg





Product Benefits



Carbon footprint reduction

90% less energy required compared to virgin material



Cost reduction

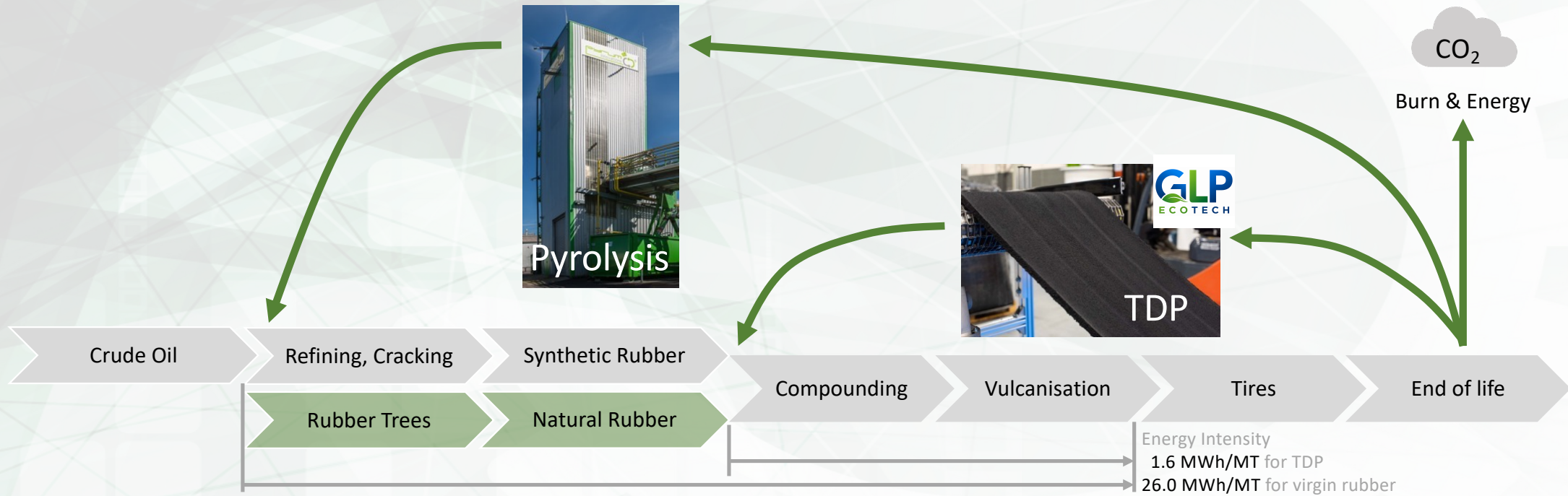
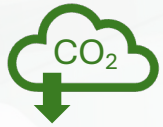
Displacing natural rubber with up to 30-40% cost reduction



Devulcanized rubber is more than a filler

TDP blends into new compounds and forms new crosslinks

Carbon footprint reduction of 90%





The Technology Package



High Performance Circular Rubber

A proven, profitable way to upgrade rubber granulate into high-value compounds - the technology is qualified by major tire manufacturers



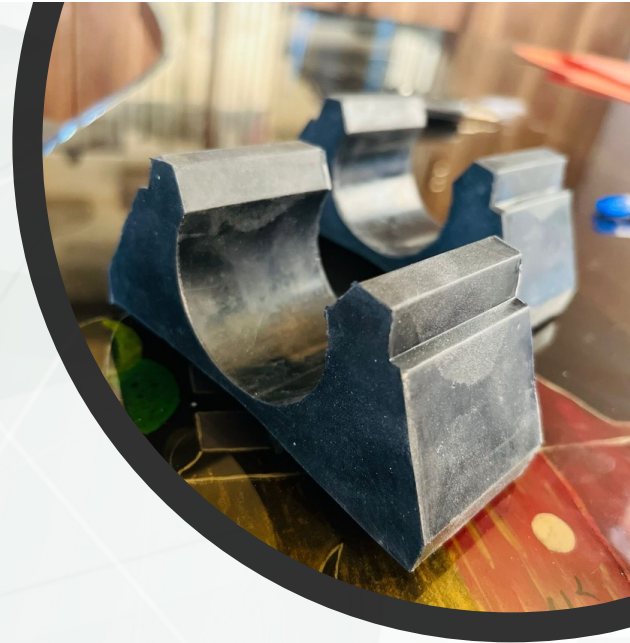
Proven Turnkey Devulcanisation System

Our license includes engineering, installation supervision, operational know-how, and training built on 10+ years of experience



Customer Support and Qualification

Our facility supports sample production, testing, and technical validation to help you qualify products before full deployment



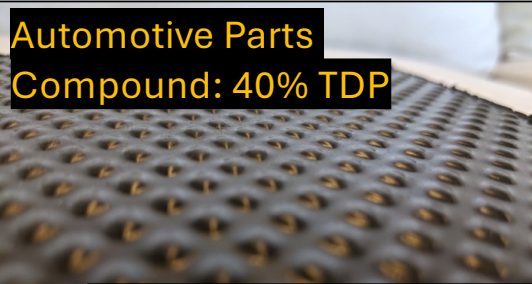
Non-Tire Applications

Molded Parts made with
100% TDP



Non-Tire Applications mixed with TDP

Automotive Parts
Compound: 40% TDP



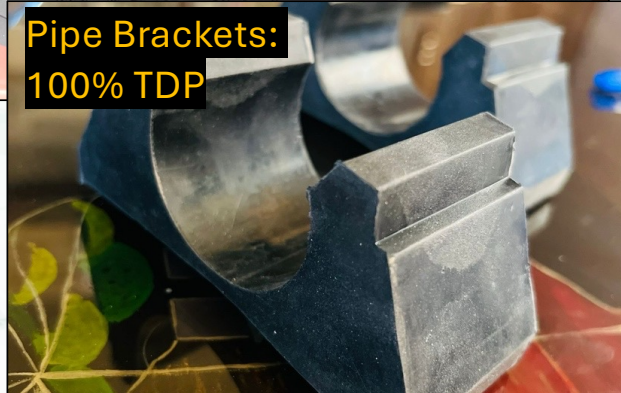
Automotive Parts
Compound: 40% TDP



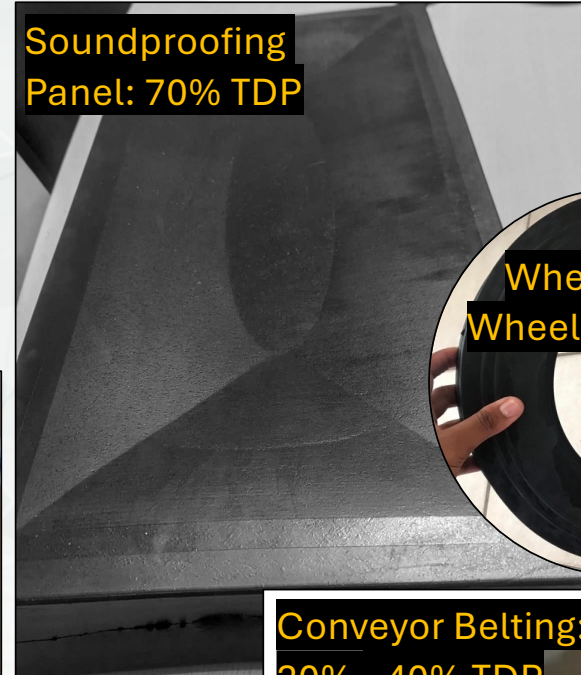
Shoe Soles: 70% TDP



Pipe Brackets:
100% TDP



Soundproofing
Panel: 70% TDP



Wheelbarrow
Wheel: 100% TDP



Conveyor Belting:
20% - 40% TDP



TDP is versatile and has many applications



www.glpecotech.com