

INFINITE FORCES  
WORKING  
*Together*



PRODUCING SUSTAINABLE MATERIALS  
FOR A CIRCULAR ECONOMY

# ABOUT US

GRP is a sustainable materials producer that helps brand owners fulfil obligations of responsible use of end-of-life waste. GRP operates 5 business verticals Reclaim Rubber, Engineering Plastics, Custom Die Forms, Polymer Composite & Repurposed Polyolefins.

GRP started as a tyre recycler and has diversified to use EOL tyres, plastic, textile waste to produce materials for use in the automotive, industrial, transportation, electrical & furniture industries. The company adopts the circular economy model, to drive optimization of resources, reduce the consumption of raw materials, and recover waste by recycling or giving a second life as a new product.

GRP has integrated SDG's in its business & is driven to contribute towards the betterment of the society. GRP believes in creating an impact positive towards the 4 P's People, Products, Progress & Planet!

## GRP VALUES



Sustainability



Trust



Commitment



Integrity

## SUSTAINABLE DEVELOPMENTAL GOALS (ADOPTED BY GRP)



**60+**  
Countries



**300+**  
Customers



**400+**  
Vendors



**20**  
Distributors



**5**  
Manufacturing  
Locations

# OUR BUSINESS VERTICALS

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GRP produces high quality reclaim rubber from end of life tyres, tread peelings, natural rubber and butyl tubes, moulded rubber products for use in both, tyre and non-tyre rubber products to deliver technical benefits and cost savings to its customers.

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GRP Engineering plastics is a sustainable material solution provider for challenging engineering applications. Our sustainable solutions are based on unfilled, and glass reinforced Polyamide 6 (PA 6), Polyamide 66 (PA 66) and Polybutylene terephthalate (PBT).

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GRP makes custom die forms engineered from end of life truck and bus bias tyres used in applications where low cost solutions are a necessity like door mats, impact resistance products and in conveyor chain assemblies for agro equipments.

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Composite material is produced using 100% recycled rubber and plastic. The products are eco-friendly and are stronger and more durable than wood. The products are well suited for application in sectors such as logistics, construction, oil & gas, aviation, marine, industrial and agriculture.

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A sustainable and circular material solution provider for rigid packaging applications. Upcycle end of life polyolefin rigid packaging materials and convert it into raw materials with product performance equivalent to virgin raw materials. Applications - Paint pail, Lubricant pail, Automotive battery cover and Pallets.

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GRP is one of the leading producers of reclaim rubber in the world. It recycles end- of-life tyres, tread peelings, natural rubber and butyl tubes, automobile profiles and moulded rubber products to produce consistent quality reclaim rubber. GRP is an IATS certified company following strict quality control norms & ensuring right material supplies to its customers. It has an installed capacity of 72,000 MT per annum to meet the ever-rising demand for its wide range of reclaim rubber grades. GRP's large capacity and wide product range has made it the largest exporter of reclaim rubber from India to more than 60 countries around the world. Its reclaim rubber is used in diverse applications in tyre and non-tyre rubber goods industries like automotive tyres and tubes, conveyor belting, roofing, footwear, moulded and extruded rubber products, sports goods etc.



## PRODUCTS

- |  |  |  |
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| <p><b>NATURAL RUBBER RECLAIM</b></p> <ul style="list-style-type: none"> <li>- Whole Tyre Reclaim</li> <li>- Ultra High &amp; High Tensile Reclaim</li> <li>- Natural Tube Reclaim</li> </ul> | <p><b>SYNTHETIC RUBBER RECLAIM</b></p> <ul style="list-style-type: none"> <li>- Butyl &amp; Chlorobutyl Reclaim</li> <li>- EPDM Reclaim</li> </ul> | <p><b>SPECIALITY RUBBER RECLAIM</b></p> <ul style="list-style-type: none"> <li>- Polycoat</li> </ul> |
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## VALUE PROPOSITION

Economic	Processing	Environmental
<ul style="list-style-type: none"> <li>• Cost-saving by replacing virgin rubber polymers</li> <li>• Reduced energy consumption due to faster processing</li> </ul>	<ul style="list-style-type: none"> <li>• Faster mixing cycle</li> <li>• Improved extrusion rate</li> <li>• Retention of good ageing properties</li> <li>• Reduced splicing defects</li> <li>• Controlled die swell</li> </ul>	<ul style="list-style-type: none"> <li>• Provides alternative to hazardous landfills</li> <li>• Substitutes natural rubber &amp; crude based synthetic rubbers saving scarce natural resources</li> </ul>

## TARGET MARKET & APPLICATIONS

Tyres	PCR, TBR, OTR, Solid, Agricultural, Bicycle, Tyre Inner Liner, Tread Rubber, etc.
Tubes & Flaps	Inner Butyl Tubes, Natural Rubber Tubes, Flaps
Belts	Conveyor Belts, Power Transmission Belts
Moulded & Extruded Goods	Auto Components, Hoses, Pipes, Gaskets, Footwear
Waterproofing & Matting	Roofing Sheet, Pond Lining, Road Surfacing, Mats
Adhesives	Tapes & Wrapping



1st company in India to design, fabricate and install an entire plant and machinery for manufacture of reclaim rubber from complete indigenous components

With strong focus on innovation and R & D, GRP is the 1st company in India to develop reclaims like EPDM & High Tensile

1st company in reclaim rubber sector in India to become SAP ERP enabled

Online Customer Portal-iGRP-where customers can place orders, track status & generate MIS

## FORMULARY GUIDE AND SPECIFICATION SHEETS

Full benefits from using GRP's reclaim Rubber Grades can be realised by referring to the Formulary Guide available on [www.grpweb.com](http://www.grpweb.com). The Guide includes Test Methods, Properties, and Application wise usage recommendation.

Technical Data Sheets for each grade can also be downloaded from the website.

## QUALITY

GRP's strict adherence to international quality control standards & stellar manufacturing processes has resulted in satisfied customers worldwide.

Company is certified with IATF 16949, ISO, BS OHSAS, REACH, RoHS, 5S

GRP Engineering plastics is a sustainable material solution provider for challenging engineering applications.

Our sustainable solutions are based on unfilled, and glass reinforced Polyamide 6 (PA 6), Polyamide 66 (PA 66) and Polybutylene terephthalate (PBT). GRP-EP has created niche market by offering unique value-added solutions for our customers based on our upcycled engineering materials.



## PRODUCTS

### — POLYAMIDE 6

- Unfilled
- Glass filled
- Glass & mineral filled
- FR grades
- Tailor-made grades

### — POLYAMIDE 66

- Unfilled
- Glass filled
- FR grades
- Tailor-made grades

### — POLYBUTYLENE TEREPHTHALATE

- Unfilled
- Glass filled
- FR grades
- Tailor-made grades

## VALUE PROPOSITION

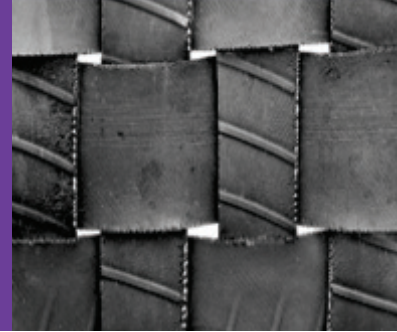
Economic	Processing	Environmental
<ul style="list-style-type: none"> <li>• Cost-effective vis-à-vis prime materials</li> <li>• Reduced energy consumption by compounding against reactor products</li> </ul>	<ul style="list-style-type: none"> <li>• Low to medium viscosity leading to better mixing and dispersion of additives during compounding</li> <li>• Low processing temperature profile without affecting end product quality</li> </ul>	<ul style="list-style-type: none"> <li>• Saving valuable prime raw materials leading to conservation of natural resources</li> <li>• Recyclable solutions which are alternative to hazardous landfills</li> </ul>

## TARGET MARKET & APPLICATIONS

<b>Automotive</b>	Fasteners, Radiator fan & shroud, Air intake manifold cover, Engine cover, Oil gauge, Switch housing, Connectors, Ignition Coil bobbins
<b>Electrical &amp; Electronics</b>	MCB & MCCB housing and covers, Switch & socket parts, Bulb holder, Led bulb housing, Terminal blocks, Insulation piercing connectors
<b>Furniture</b>	Chair star base, Caster wheel, Chair handle & Back plates, Window lock components
<b>Industrial</b>	Cable ties, Washers, Spacers, Bobbins, Motor components

End of life commercial tyres continue to possess excellent engineering capability, since they are built for poor road conditions and are subjected to overloading beyond its rated capacity. This presents an opportunity to convert these tyres into products that can be designed for use in mechanical and agricultural applications.

The components made from end of life tyres are used in applications where low cost solutions are a necessity. This also ensures reuse of end of life tyres with minimal energy needs. GRP produces these products in collaboration with Leading North American Company.



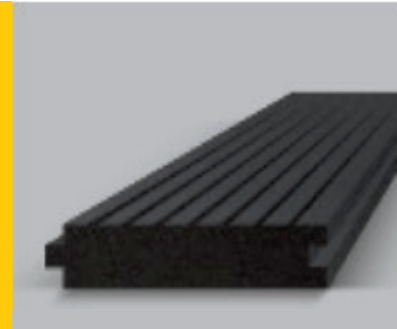
### PRODUCTS

- Industrial mats
- Dock bumpers
- Vibration pads
- Paddles for agriculture

### VALUE PROPOSITION

Economic	Processing	Environmental
<ul style="list-style-type: none"> <li>• Cost saving by replacing moulded products made from virgin materials</li> <li>• Reduced energy consumption due to quick conversion process</li> </ul>	<ul style="list-style-type: none"> <li>• Provides alternative to manufactured products by re-using end-of-life tyres</li> </ul>	<ul style="list-style-type: none"> <li>• Has created employment in India by moving production from North America due to non-availability of basic raw material (end-of-life bias truck tyres) there</li> </ul>

Composite material is produced using 100% recycled rubber and plastic. The products are eco-friendly and are stronger and more durable than wood. Products are extremely tough and are resistant to fluids, mud, oil and UV rays, making them exceptional replacements for wood and plastics in a variety of applications. The products are well suited for application in sectors such as logistics, construction, oil & gas, aviation, marine, industrial and agriculture. Exceptional stability and advantages over the other materials results in less down-time, fewer replacement costs and extended life for the products.



### PRODUCTS

- Plank boards
- Dunnage
- Wheel chocks

### VALUE PROPOSITION

Economic	Processing	Environmental
<ul style="list-style-type: none"> <li>• Durable and long lasting</li> <li>• Less downtime &amp; fewer replacement</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent grip</li> <li>• ImperVIOUS to fluids</li> </ul>	<ul style="list-style-type: none"> <li>• Made from 100% recycled material</li> </ul>

GRP – REPURPOSED POLYOLEFINS business is a sustainable and circular material solution provider for rigid packaging applications. Upcycle end of life polyolefin rigid packaging materials and convert it into raw materials with product performance equivalent to virgin raw materials.



### PRODUCTS

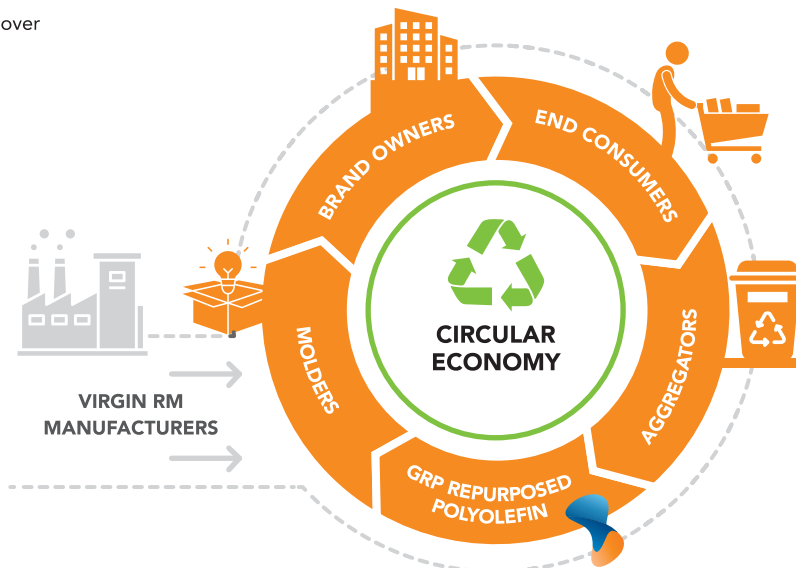
- Impact copolymer polypropylene (IC PP)
- IC PP - custom colors
- PP based elastomers

### APPLICATIONS

- Paint Pail
- Lubricant pail
- Automotive battery cover
- Pallets

### VALUE PROPOSITION

Economic	Processing	Environmental
<ul style="list-style-type: none"> <li>• Helping customers fulfil their circularity aspirations</li> <li>• Helping brand owners to fulfill their EPR (Extended producer responsibility) obligations</li> </ul>	<ul style="list-style-type: none"> <li>• Helping customers to replace 50 – 100 % virgin RM without compromising product performance &amp; processability</li> </ul>	<ul style="list-style-type: none"> <li>• Saving valuable natural resources by way of upcycling</li> <li>• Leveraging maximum value from a single end of life (EOL) product</li> </ul>



**INFINITE CYCLE ENABLING CIRCULAR ECONOMY**



# AWARDS & RECOGNITIONS - OVER THE YEARS



For Export Performance



Finalist Parivartan Sustainability Leadership Award



Quality Circle Forum of India Award For 5S Competition from Vadodara Chapter for its Ankleshwar & Panoli Units



Supply Chain Leader Award at Logistics 2.0



For Export Performance



Computer World Information Technology Awards (For ERP for Economic, Environmental & Social Sustainability)



Indian Circular Economy



HR Excellence in Employee Engagement



HR Innovation in Learning & Development



Recircle Award (Runner Up)



ACCQC Awards - 6 Gold Awards



ACCQC Awards - 1 Silver Awards



IATF 16949:2016, ISO9001:2015  
ISO14001:2015, ISO45001:2018

# IMPACT POSITIVE INITIATIVES

At GRP, Corporate Social Responsibility (CSR) contributes in shaping the 'How' and the 'Why' of almost every activity we undertake. Over the years, we are happy to have played a role in giving back to the community through our products as well as our CSR activities. We are grateful to have witnessed the positive impact of our efforts; in making a long-lasting difference to the people of India and the world at large.



## EDUCATION

- Balwadis/Mobile vans for elementary education
- Vocational training for adult education
- Merit based scholarship to support University Education
- Strengthen/support existing institutes engaged in providing primary, secondary and higher level education



## SUSTAINABLE LIVELIHOOD

- Vocational training aimed at employability
- Supporting initiatives around Yoga, meditation, other self-help
- Awareness programs for clean living/housing facilities (5S, etc.)
- Awareness programs on hygiene, safe water
- Encouraging plantation of trees through self help groups of women



## HEALTHCARE

- Primary healthcare centres
- Mobile healthcare projects
- Preventive health through awareness programs






## WOMEN EMPOWERMENT

- Girl child education upto University
- Supporting groups for women empowerment
- Building Toilet for better women hygiene

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-  <https://www.facebook.com/GRPReclaimRubber/>
-  <https://www.instagram.com/grp.ltd/?hl=en>



### Manufacturing Plants:

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