



Moving towards a greener,
more **SUSTAINABLE FUTURE!**

I AM RESPONSIBLE

- 🌱 I am Responsible for protecting our planet from Degradation and Environmental Damage.
- 🌱 I am Responsible for reducing Plastic Waste.
- 🌱 I am Responsible for keeping Ethical Working Standards intact.
- 🌱 I am Responsible for building greater Trust and Transparency.
- 🌱 I am Responsible for a Clean and Green Economy.
- 🌱 I am Responsible for Carbon Footprint reduction.
- 🌱 I am Responsible for an unmistakable commitment to a Sustainable Lifestyle.



ABOUT MADHUSUDAN

Madhusudan Group is a vertically integrated textile conglomerate involved in Yarn Manufacturing & Dyeing, Weaving, Knitting, Fabric Processing and Printing, Fabric Value Addition, and Garmenting. Our main focus is on manufacturing superior quality products in ethical and sustainable manner.



ABOUT mRec

mRec is a green, sustainable alternative to virgin polyester that is created from recycled plastic bottles. This 100% recycled yarn aims to reduce the carbon footprint and make use of existing plastic that would otherwise end up choking our marine life or in landfills. mRec uses waste bottles and turns it into a versatile, high-quality yarn using less energy and fewer resources.



30 million tons of PET bottles

are manufactured each year leading to exponential air, water & land pollution



PROCESS



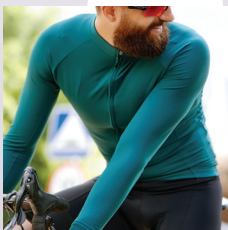
**Collection & Cleaning Of
Used PET Bottles**

**Conversion To Filament Grade
Flakes Using Low-carbon
Manufacturing Tech**



**Extrusion Of Superior
Quality Polyester Yarn (POY)**

**Conversion Into Fancy Recycled
Yarns Using Traceable
Manufacturing Systems**



**Fabric
Manufacturing**

ADVANTAGES



Reduced Carbon
Footprint

The production of Mrec requires much less energy as compared to virgin polyester to the tune of about 50% hence reducing greenhouse gas emissions. Using recycled polyester also reduces our dependence on petroleum and crude oil as a raw material for producing fabric.



Exceptional
Quality

Polyester has gained extreme popularity owing to its wrinkle-free, easy to clean and fast-drying properties. Mrec upholds all these properties while using recycling plastic into a durable, wearable fabric.



World-Class
Technology

Mrec is built by melting used plastic into chips which are later turned into strings of yarn. The production of Mrec makes use of modern textile recycling technology that is an expensive process but the benefits far outweigh the costs.



Builds
Sustainability

From reduced water-usage to reduced greenhouse emissions to better waste management, Mrec is taking a step towards building an eco-friendly option of its virgin counterpart which has a tremendous scope.



WHY mRec?

Virgin Polyester

Recycled Polyester



Trash

Treasure



Energy Hungry

Energy Saving



Fills up landfills

Helps in waste-management



Harms marine-life

Saves marine-life

RANGE OF PRODUCTS

	Denier/Filament	Lustre
DTY	50/72	SD, FD
	75/36	SD, TBL
	75/72	SD, FD
	100/144	SD
	150/144	SD, FD
ATY	75/36	SD, TBL
	75/72	SD, FD
	100/144	SD
	150/144	SD, FD
	110/72	TBL
	160/72	TBL
	240/108	TBL
Mechanical Stretch	50/72	SD
	75/72	SD, FD
	100/144	SD
	150/108	SD
	150/144	SD, FD
Melanges (Heather long streak, short streak)	50 ^d MRec + 50 ^d CD Virgin	SD, FD
	75 ^d MRec + 75 ^d CD Virgin	SD, FD
	150 ^d MRec + 150 ^d CD Virgin	SD, FD

APPLICATIONS



Dress
Materials



Furnishing
Fabric



Automotive
Fabric



Formal
Wear



Apparel
Fabric



Sports
Wear



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group

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