

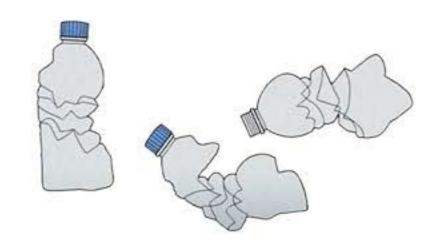


# WHY ARE WE USING RECYCLED PET FABRIC MADE FROM PLASTIC WATER BOTTLES?

In a time it takes to have a sip out of a plastic bottle, 20,000 of them are **thrown away.** 

Over 1,300,000,000 bottles are sold around the world every day. But only 6% of them are being recycled afterwards.

We feel we can do better!





#### FROM BOTTLES TO FABRIC

### STEP 1.

BOTTLES ARRIVE TO THE RECYCLING CENTRES IN 250KG DENSELY PRESSED BALES, THAT ARE TEASED APART, CLEANED AND SORTED. THE SORTING MACHINE REMOVES ALL COLOURED PARTS, SUCH AS CAPS AND LABELS.



#### STEP 2.

ONCE THE BOTTLES ARE SORTED, THEY MOVE INTO THE GRANULATOR. INSIDE, LARGE ROTATING BLADES SHRED THE BOTTLES INTO 1 CM FLAKES. MEANWHILE, THE GRANULATOR REMOVES ALL REMAINING DEBRIS. WHAT WERE ONCE PLASTIC BOTTLES ARE NOW PURE PET FLAKES, READY FOR THE NEXT PHASE OF THEIR TRANSFORMATION.



#### STEP 3.

FURTHER, THE PET FLAKES TRAVEL THROUGH AN EXTRUDER, MELTING THEM AND FORMING POLYESTER FIBRES. AS A RESULT, HARD PLASTIC GETS A SOFT WOOL-LIKE TEXTURE. THE FIBRES ARE THEN CUT INTO THIN SHEETS TO PREPARE THEM FOR FELTING.



#### STEP 4.

THE FELTING MACHINE FOLDS THE FIBRE IN LAYERS AND COMPRESSES IT. THEN, THE ACTUAL FELTING BEGINS - THOUSANDS OF BARB NEEDLES STAB THE MATERIAL, TURNING IT INTO FELT. FOLLOWING THE SAME PRINCIPLE, THREE SHEETS OF FELT ARE MERGED TOGETHER INTO A DENSE MAT, READY FOR PRESSING.



## (HANDCRAFTED BY),

# HANDSTITCHED BY ARTISANS IN LOCAL WORKSHOPS

With skilled hands and a keen eye for detail, our artisan community from Sanganer Village, Rajasthan, transform the recycled PET fabric and Canvas into sleek, essential organisers.



## (HANDCRAFTED BY)<sub>2</sub>



The handcrafting process of our CHARCOL products involves various techniques that have been passed down through generations. Artisans employ traditional methods such as hand-cutting patterns, hand- stitching, and hand-dyeing, which not only infuse the bags with a unique charm but also eliminate the need for energy-consuming machinery.



## (HANDCRAFTED BY)<sub>3</sub>

In addition to the artistic aspect, our artisans also prioritize ethical labor practices. Our production happen in local workshops creating job opportunities within their communities. By embracing fair trade principles, we ensure that their craft positively impacts the lives of individuals and supports social sustainability.



## (HANDCRAFTED BY)



One of the defining characteristics of our handcrafted products is their durability. The artisans pay great attention to the structural integrity of each bag, organiser and planner, reinforcing stress points and using sturdy stitching techniques.

This emphasis on quality and longevity is essential, as it encourages consumers to invest in products that will withstand the test of time, reducing the need for frequent replacements and contributing to a more sustainable consumption cycle.



# (C10H8O4)n CHARCOAL

## **PRODUCTS**





























(C10H8O4)n

## CHARCOAL

PREMIUM ORGANISERS
HANDCRAFTED FROM USED
PLASTIC WATER BOTTLES

#### FOR BULK ENQUIRY

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