

Introduction to Carpets



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Types of Carpets produced by Oriental Weavers



Woven

Woven rugs are made from a process of weaving materials together. The face yarns are woven and formed on a loom by interweaving warp and weft yarns



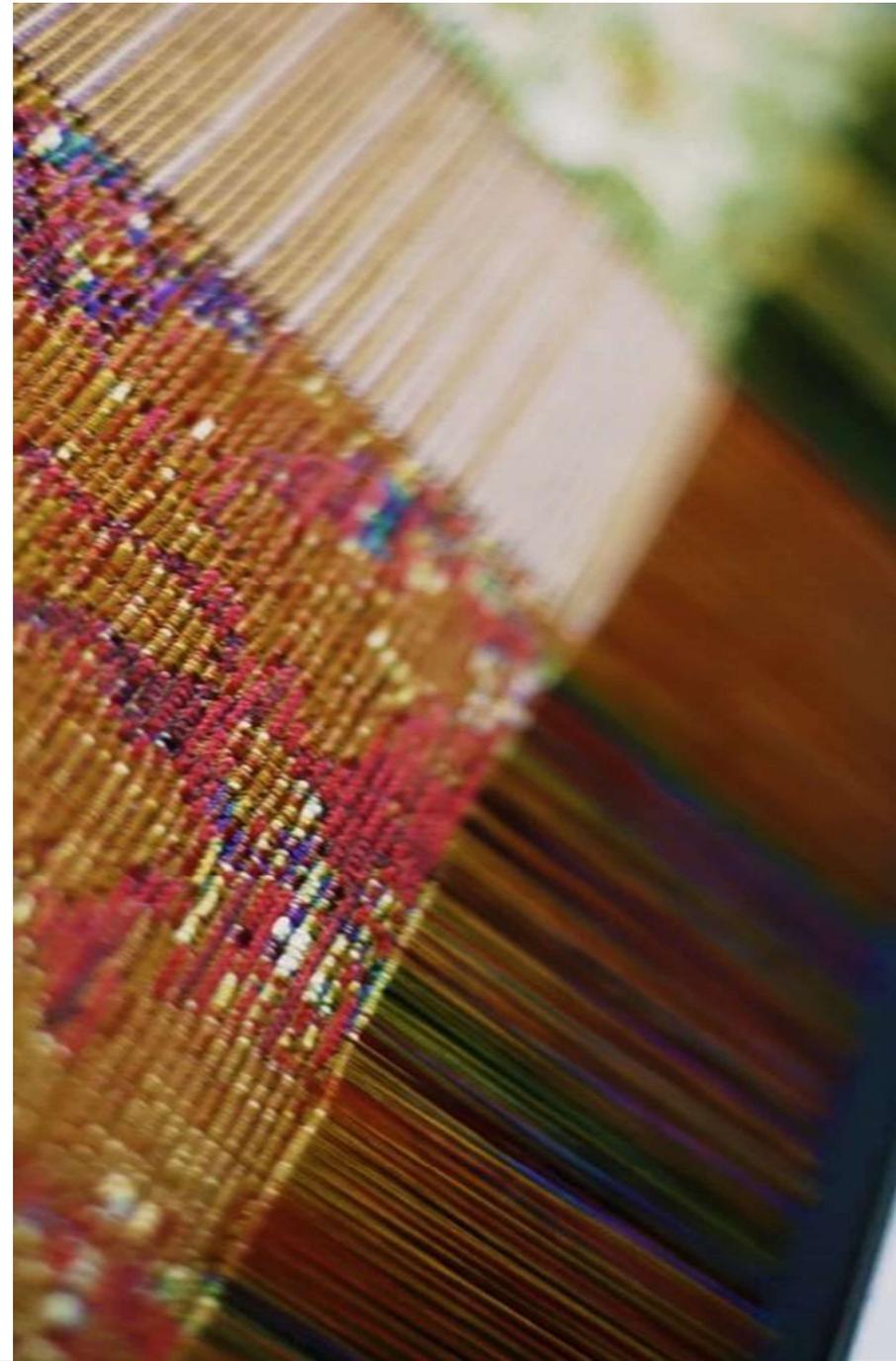
Tufted

The surface yarn is inserted into a polypropylene sheet using printing machines



Non- Woven

Fibers bonded together using chemicals and heat.



Oriental Weavers Woven Segment

Woven Segment



A woven carpet is usually thick and heavy compared to the other two segments. The back of the woven carpet is indicated on the left, displaying the woven patterns of the fibers. The side image of the carpet indicates the thickness of the fibers. Woven Carpets are usually produced using looms, which are produced in one of OW 13 carpet production facilities.



Production Cycle:



Raw materials used are either wool, or polypropylene. The wool is sourced from suppliers in Egypt, New Zealand and the UK; the PP is sourced locally or imported from GCC. OW sources around 60% of its PP needs from our sister company "Egyptian Propylene and Polypropylene" (EPP). As seen in the Picture this is the PP granules.



Spinning yarn at our yarn plants where pp granules are converted into fibers through extrusion machines and then spun into yarn. Colored yarns are placed on looms to create the carpet



The carpets are woven at one of our facilities in Egypt or the US, depending on the end user. The designs are determined by the customer needs; we offer more than 4 million copyrighted designs to choose from. Afterwards a Latex coating layer is inserted in the back of the carpet to insure the stability of the pile. At that point the carpet is ready to be cut, packaged and sent to its export destination, or locally to one of our 256 showrooms.



Oriental Weavers Tufted Segment “MAC”

Tufted Segment



The Tufted Carpets are produced in MAC Carpet’s 4 production facilities. Mac products include wall-to-wall carpeting, indoor and outdoor rugs and artificial grass, car mats, three-dimensional advertising floor panels, runners. The back of the carpet is a latex layer. The thickness of the carpet is less than the woven segment. They are produced using printed machines.

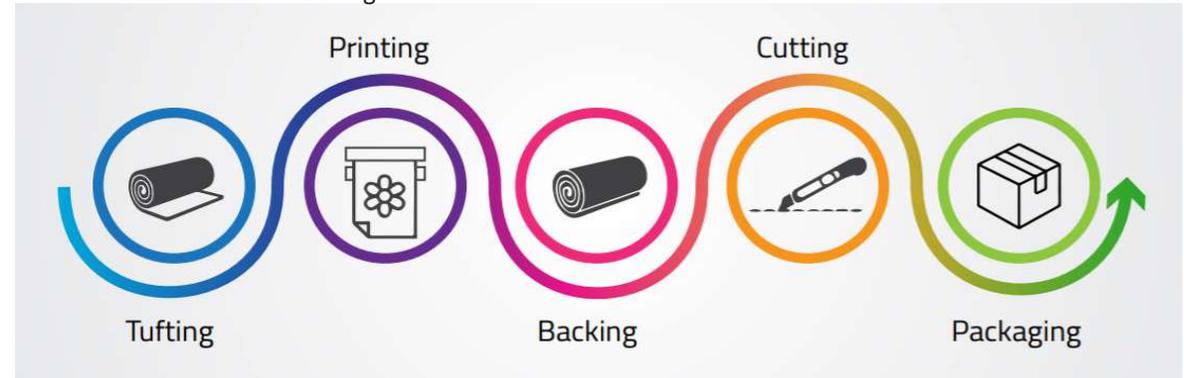
Production Cycle:



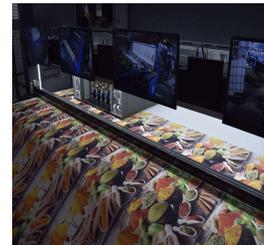
1. Tufting: 41 tufting machines in Mac facilities. Machine-tufted carpets are made when the clusters of yarn fibers, are drawn through some sort of medium and inserted into a primary backing.



3.Backing: a Latex, TPR or PVC coat is placed on the back of the carpet, to give a rubber or plastic appearance to the back of the carpet.



2. Printing: there are two mechanisms, either using Chromo Jet printers or digital printers. OW is in the process of updating the printers to digital printers.



4. Afterwards, the carpet is cut, prepared and packaged, ready to be shipped to its destination. As 80% of Mac’s carpet are exported.



Oriental Weavers Non- Woven Segment “EFCO”

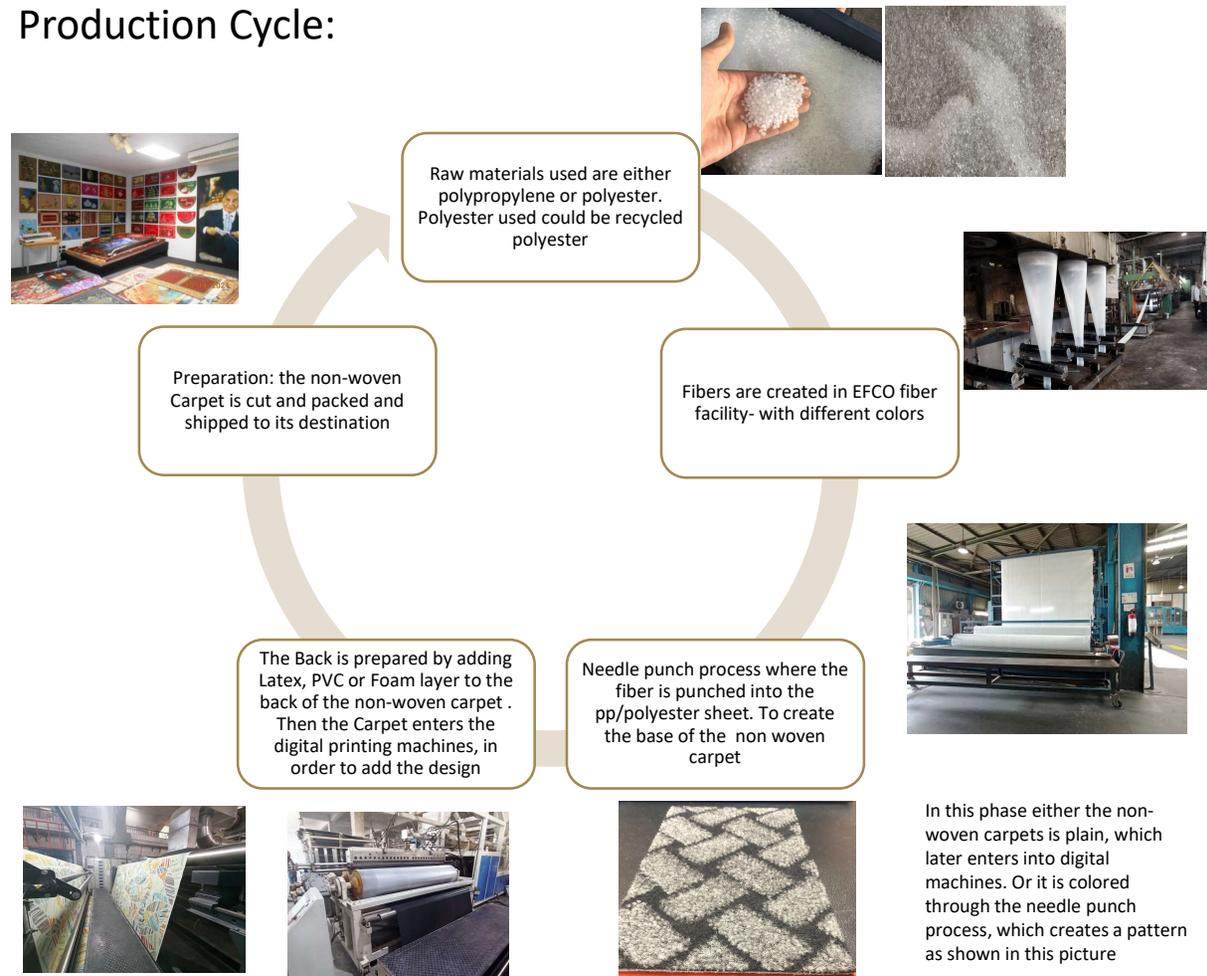
Non- Woven Segment



Non woven carpets are produced in EFCO under its 2 production facilities with 23m m2 annual capacity. EFCO utilizes the latest production technologies to produce master batch, polypropylene staple fiber, and needle felt carpets, including wall-to-wall carpeting indoor/outdoor rugs, underlay rolls and rug pads, car mats and bath mats. EFCO uses recycled polyester in the production process, which has impacted the company’s financial position positively.



Production Cycle:



OW Recycled products

As Oriental Weavers is committed to environmental stewardship and minimizing our environmental impact, the following products are a result of recycling our waste



Blanket



robe



Recycled
Carpets



Bags



Strings



Belts

Oriental Weavers is committed, within the framework of its social responsibility, to the preservation and development of the environment in which it resides. While the Group have a formal environmental policy in place, OW manufactures its products in compliance with ISO 14001 and the relevant country's laws and regulations. Additionally, OW continuously seeks to reduce the impact of its activities on the environment by the use of safe technological methods and clean energy, and the reduction of waste by preservation and recycling. The products shown above are a result of the waste created during the production, which are recycled and utilized