



plascon[®]
New Age Engineering Plastic

**SUCCESS
AHEAD**



INTEGRATED SOLUTIONS FOR PULP & PAPER INDUSTRY

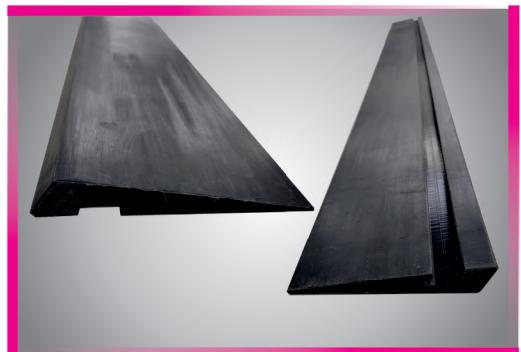


KBK PLASCON PVT. LTD. was established in 1985 with the sole purpose of serving Pulp and Paper industry. In India, KBK PLASCON has been a pioneer in the field of POLYMER products under the brand name of "PLASCON" for Pulp & Paper industry, providing innovative and cost effective solutions from time to time. We can manufacture and supply wide range of Dewatering elements, where the length without joints will be 5 metre in Compression Moulding and 10 Metre by welding.



OUR SPECIALITY:

- Total wire drainage solution of Paper machines.
- Centri-cleaning Unit, a total Package - A unique concept of glass filled Unbreakable centricleaner/assembly replacing 100% ceramic.
- Doctor blade of single length upto 10 mtr. without joint.
- UHMW PE Screen Plate (5 mm thick) for Johnson Screen replacing Stainless Steel screen increasing the life.
- Wear Plate for auto valve/washer.
- Plascon Segmented Gears a Unique concept for Dryer Gears.
- KAYLON* based single piece gears for dryer.
- Engineering items like Idlers for Conveyor Systems, various sprockets/rings for Rotary joints/Impellers /Bushes etc. custom made, according to given drawings.
- Plascon Pallets - Heavy duty, unbreakable, washable and resistant to chemicals for paper stacking and transportation.
- Plascon Liner Plates Non sticking to foreign materials.
- Metering Bar





PLASCON ALLOYS FOR PULP & PAPER INDUSTRY

Our R & D Department successfully developed the following Alloys of Plascon which enhances the life, reduces the down time, thereby increases the productivity of the paper mills.

PLASCON-V

This is a virgin Ultra High Molecular Weight Polyethylene having low co-efficient of friction with good abrasion resistance and is white in colour. The wear and tear is slightly higher than other Plascon alloys suitable to use in slow speed machine upto 250 m/min.

PLASCON SUPER SLIDE - P

In comparison to Plascon-V/ Super Slide - P is a 9.2 millions ml. wt. alloy with lubricating agents to give lower co-efficient of friction with hig her wear resistance Available in Green colour.

PLASCON-GRA

to be used in end-sealing, packing inside the Suction Roll/Couch roll etc. the Polymer and improves the dimensional stability of the components. It is suitable It is Plascon alloyed with Graphite & sliding additives. The filler addition strengthens

PLASCON-M

Where there is lot of Silica contents coming with the stock, this sintered polyethylene reinforced with sliding additives & molybdenum disulphide (MOS2) can provide excellent and uniform drainage with minimum wear & tear because of its very low co-efficient of friction. The fabric life also increases because of uniform and slow Wear & tear and low co-efficient of friction. It is black in colour, suitable for sealing strips and metering bars.

PLASCON-GB

Plascon GB is made by reinforcing the original sintered UHMW PE with homogenous glass beads powder to counter the stock which contains darts, fillers, fines and other foreign materials. By virtue of filler addition, the surface smoothness increased considerably and thus helps to increasing the wire life.

PLASCON- HI-TECH CERA

CERA is a unique formulation of Plascon reinforced with microspheres of abrasion resistant silicon compound special dry lubricants. The filler are dispensed homogeneously in the polymer matrix and coupled with a coupling agent to improve the abrasion resistance. The superior reinforcing filler provides increased life to dewatering elements. CERA is strongly recommended for high speed machines. In PLASCON-CERA, we added further two varieties, i.e. Hi-tech CERA & Low-tech CERA and its application is based on the speed of the paper machine.

PLASCON-RIDER

This alloy was the result of our constant R&D work based on customers feedback. It is a double sintered UHMWPE having molecular weight of 9.2 million. The extra high molecular weight Polymer coupled with sliding additives, imported ceramic additives and heat stabilizers impart strength, excellent abrasion resistance, coupled with low co-efficient of friction to the component. As a result, it provides excellent drainage with minimum wear and tear to the fabric alike 100% ceramic materials. Life of components in this case increases substantially by 20 to 30%.

PLASCON-RIDER GLIDE

Rider Glide is a newly improved Plascon Rider Alloy. It has all the benefits of Rider but has a unique lubricant / sliding addictive to bring down the coefficient of friction by almost 25%-30%. Lower coefficient of friction result in better life of both the dewatering elements as well as the wive.

PLASCON-KRATOS

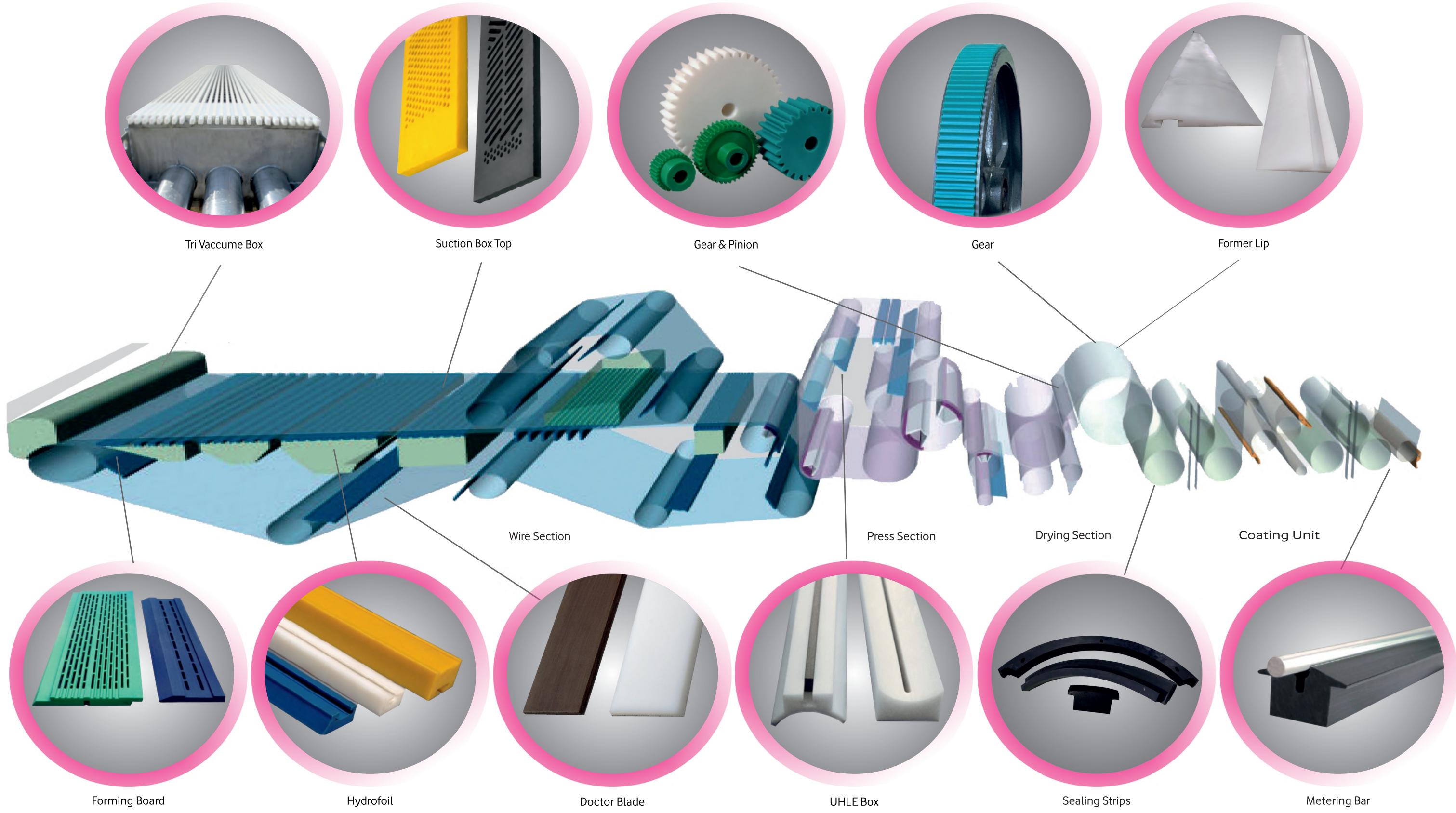
Kratos is made by reinforcing the original sintered UHMW PE with homogenous glass beads powder to counter the stock which contains darts, fillers, fines and other foreign materials. By virtue of filler addition, the surface smoothness increased considerably and thus helps to increasing the wire life.



Integrated
solutions
for
Pulp
and
Paper
Industry



Plascon Products for Pulp & Paper Industry



*Further details on request

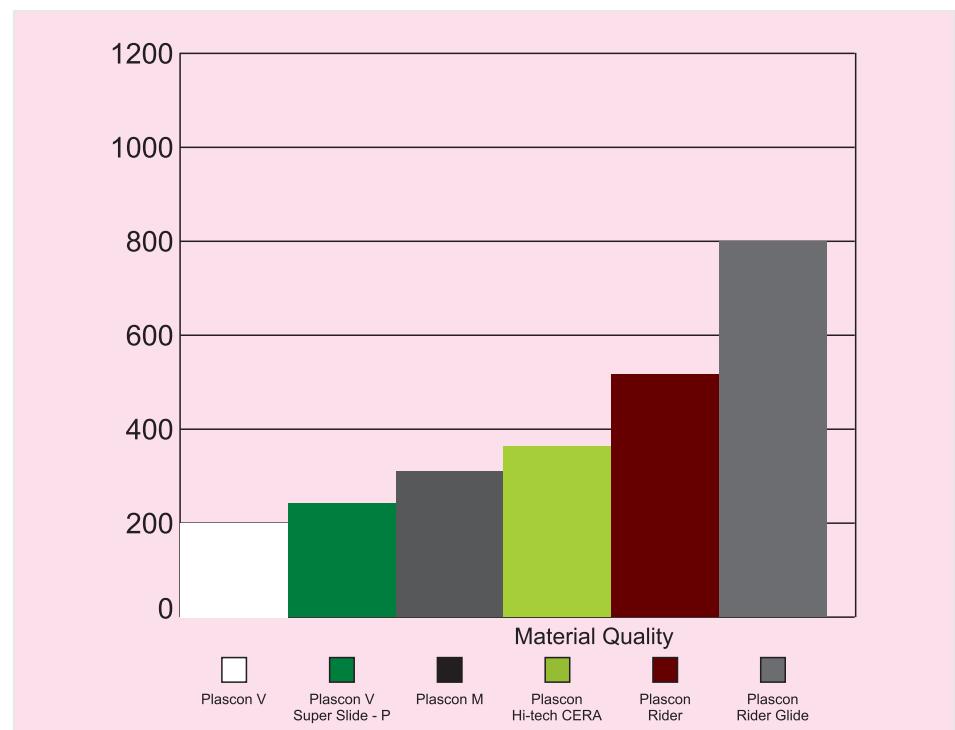
PLASCON PROPERTIES

Property	Unit	Testing Method	Plascon V	Plascon Super Slide-P	Plascon M	Plascon GB	Plascon Hi-tech CERA	Plascon Rider	Rider Glide	Plascon Kratos
Density	gm/cm ³	ISO1183	0.93	0.96	0.95	0.96	0.96	0.97	0.97	0.96 ~0.97
Molecular Weight	g/mol in million	-	6.5	9.2	6.5	9.2	9.2	9.2	9.2	-
Tensile Strength at 23C°	MPa	ISO 527	22	24	23	24	24	24	24	> 22
Elongation	%	ISO 527	450	410	450	420	410	400	400	> 350
Notched Impact Strength	KJ/m ²	ISO 11542	210	90	190	130	90	90	90	min. 120
Shore Hardness D 5 Sec.	-	ISO 868	66	68	66	68	70	70	70	65 ~ 70
Static co-efficient of friction	-	ASTM D1894	0.13	0.12	0.08	0.13	0.15	0.12	0.1	-
Wear by Sand and Slurry method	-	Internal Test Method	100	70	80	90	92	90	70	-
Colour			White	Green	Steel Grey	Orange	Banana Green	Chocolate Brown	Greyish Black	

Plascon Material for different machine speeds

various type of material are available according to the different machine speeds of your machine.

With the quality of rider glide upto 800 MPM are available.





Wear Plate

PULP MILL



Impeller



Regulating Valve



Reject Nozzle



Nozzles



Pulleys

CONVEYORS



Impact Roller, Bushes & Bearings



Customised Pallet

FINISHING



Trolley Wheel



Plascon Products for Other Industries

Bottling Industries



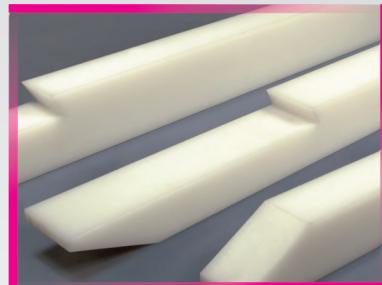
Guides

Material Handling



Trolley Wheels

Iron and Steel



Pressure Pad



Star Wheel for Filling Station



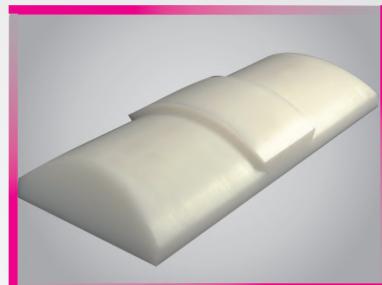
Skived Tapes & Profiles



Infeed Worm



Bushes



Slipper Pad



Chute Liner

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