

# Polymer Spur Gears



KBK Plascon is a pioneer in the manufacturing of Polymer Gears in India.

Polymer gear is a unique concept of big diameter gears, it is ideally suitable for Dryers in Paper Mills, leather tanning drums in Tanneries etc.

Hundreds of Plascon gear are working in various paper mills all over India.

KBK Plascon now announces the launch of KAYLON single piece spur gear for dryers.

KBK Plascon is the only manufacturer in India providing both segmented PLASCON Gears and single piece KAYLON spur gear for dryers.

*"Now choice is yours"*



**plascon**<sup>®</sup>

New Age Engineering Plastic

**All New  
KAYLON  
Spur Gear**

## Advantages of Polymer Gear over CI :

- Elimination of noise pollution. Polymer gear bring down the noise levels considerably.
- Polymer gears are self lubricating. Hence maintenance is decreased because of lower lubrication needs. Improve shop floor cleanliness.
- Polymer gears have more life compared to CI gears as wear resistance of polymer is much better than that of CI.
- Polymer gears require less power as coefficient of dynamic friction of polymers is much lower than that of CI.

Properties of Plascon and Kaylon Gears	Test Method	Unit	Plascon P	Kaylon EHS
Density	ISO 1183	gm/cm <sup>3</sup>	0.94	1.15
Tensile strength	ISO 527	MPa	22	80
Elongation at break	ISO 527	%	450	> 20
Izod impact strength	ISO 180	KJ/m <sup>2</sup>	NB	5.4
Hardness (Shores)	ISO 868	-	66	84
Co-efficient of friction (dynamic)	ASTM D1894	-	0.1	0.15
Wear Rate	Wear Rate Sand & Slurry	-	100	182



Plascon segmented gear



For further details, please contact :

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