

## Crowning Glory

RAJOO ENGINEERS WILL DEMONSTRATE ITS PENTAFOIL ALL-PE 5-LAYER CO-EXTRUDED BLOWN FILM LINE AT THE K2016

Tailored to meet specific needs, PENTAFOIL all-PE 5-layer co-extruded blown film line helps raise the performance bar of films with an unprecedented efficiency ratio; benefits of down gauging, lower cost of final film, adaptability across applications enhances the ROI still further!

Rajoo solutions are always well accepted on global platforms. At K2016, the difference will be evident when Rajoo will be the only Asian company to demonstrate live, a 5-layer all-PE blown film line @ Hall 15, Stand B04. Come and see how Rajoo takes India to the world! Last K, witnessed the 5-layer barrier film line, now operating successful with a reputed customer in South Africa.



**This 5-layer line while ensuring a thin skin layer of property polymers and a thick core layer of inexpensive materials, offers enough versatility for processors to produce films that comply to difficult industry demands with specifications that provide a competitive edge to its customers' business."**

Rajoo turns 30 and it is celebrating! To commemorate this, Rajoo Engineers introduces the 5-layer all-PE blown film line to re-define application segments such as collation shrink films, lamination films, milk and water pouches, and more. Indigenously designed and built, this line incorporates the latest advancements in technology such as Cylindrical Spiral Die (CSD), Internal Bubble Cooling, Circumferential Profile Control with elevated air ring and triple lip, full automatic winder and touchscreen based supervisory control panel.

Even with this, the Rajoo "Excellence in Extrusion" continues to remain affordable – an approach that has earned Rajoo global acclaim from users, industry experts and media alike. This 5-layer line while ensuring a thin skin layer of property polymers and a thick core layer of inexpensive materials, offers enough versatility for processors to produce films that comply to difficult industry

demands with specifications that provide a competitive edge to its customers' business, both in terms of diverse film properties and of course costs. The film capabilities with a 5-layer are significant when compared to a conventional 3-layer alternative.

Operating at 600.4 kg/hour, TUV certified it during an onsite visit that the specific electricity consumption under standard conditions for the 5 layer co-extruded blown film line PENTAFOILAPE-RECF-260-90/2400 IBC-A is certified to be 0.3001 KWh/kg of blown film (40 micron thickness, 2000 mm width). This is testimony to the energy efficiency measures taken by Rajoo Engineers Limited!

With a growing bet on automation, this line christened PENTAFOIL-APE RECF 2560-90/2400 IBC-A is with 4 x 60 mm and 1 x 90 mm extruders and 500 mm CSD Die. With a maximum output of 650 kg/hour, the line can produce all-PE film in the thickness range of 30 microns to 250 microns. "I would like to highlight here that the all-PE PENTAFOIL 5-layer co-extruded blown film line is truly eco-friendly in a dual way – one from the environment perspective (by getting more out of less by down gauging and lower energy consumption) and the other from the economics perspective (better performance with cheaper raw materials)," opines Khushboo Doshi, Executive Director, Rajoo Engineers Ltd.

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