

Bi-oriented Polyolefin Shrink Film

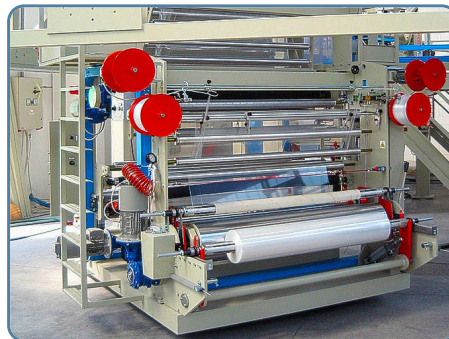
Developed as an alternative to PVC and as an improvement against other shrink films on polythene basis, bi-axially oriented octane-based polyolefin shrink films are characterized by very good gloss, high clarity, stiffness, excellent mechanical resistance, and can be extruded to thin gauges for a wide variety of applications. They belong today to the preferred materials for retail packaging where attractive on the shelf display wrapping is of primary importance. Seals are strong and processing is good on all modern semi-automatic and high speed equipment. Polyolefin shrink films are used for toys, games, household articles, CDs, software, hardware items, books, magazines, multi-pack, and other shelf product. They comply with regulations governing packaging and are suitable for baked goods, frozen foods, etc. both as overwrapping and in direct contact with the product.

BI-ORIENTED POLYOLEFIN SHRINK				
N° LAYERS	Ø EXTRUDER	TR100FILM WIDTH	THICKNESS (μ mm)	PRODUCTION OUTPUT (kg/h)
3	45-45-45	1.200	15-19-25	90-110
5	45-45-45-45-45	1.200	15-19-25	100-120
3	45-60-45	1.500	15-19-25	120-140
5	45-45-45-45-45	1.500	15-19-25	130-150
3	45-80-45	1.900	15-19-25	160-180
5	45-45-60-45-45	1.900	15-19-25	170-190

Double Bubble co-extrusion line for 3-layer Polyolefin Shrink Films

The standard line is built for the production of bi-axially oriented 3-layer film. The melt is extruded through a circular die, water-cooled, and terminates the primary stage as a thick tubular film which is subsequently taken to the infra-red heating section. Bi-axial orientation is obtained in both directions simultaneously by inflation and the differential speed ratio between the nip rollers before and after the ovens. The secondary bubble is cooled by air, laid flat and conveyed into the rotating rewinding unit with two stations placed back to back. The standard plant gives a gross output of 140 kg/h producing a net trimmed film width of 1700 mm with thicknesses in the commercial range of 15-19-25 microns, but other configurations are also possible, depending on the extruder sizes and roller widths.

Gallery (1/2)



Gallery (2/2)

