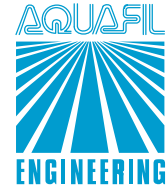


press information



Polyester Direct Film Casting (DFC®) Technology

A conventional polycondensation plant for BOPET film grade produces amorphous polyester chips. Before the polyester chips can be used in the BOPET film lines, they have to be crystallized, dried and extruded. The direct film casting (DFC®) technology of AQUAFIL Engineering is changing this plant setup completely, because the polycondensation plant is directly connected per melt pipe to the die head of film line, independently if it is a BOPET or CAST line.

As the DFC® is avoiding the crystallization, drying and re-melting of the polyester chips, it is saving a lot of investment, space and operation costs. The product quality and run ability make a remarkable step upwards in the final film product.

AQUAFIL Engineering is glad to inform that the next DFC® line is successfully started with a record length of approx. 70 meter. The equipment of the DFC® Technology (up to film line pump) was completely designed and delivered by AQUAFIL Engineering.

An often mentioned issue in connection of direct (cast, fiber,..) technologies is the recycling of the production waste. This matter is solved today by AQUAFIL Engineering thanks to the recycling technology **EverPET®** - internal.

AQUAFIL Engineering invented especially for the film industry a simple EverPET® internal process which allows to use the polymer film waste, including trim, directly in the polycondensation plant. There is not any longer a complicated, cost and energy intensive drying, extrusion or SSP needed which reduces the "waste" polymer quality. The polymer produced using EverPET® internal shows no difference in quality or technical performance compared to virgin polyester produced BOPET film.

For more information, please contact us directly.

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