



FIBRE & YARN

LUBRICANTS



MACHITEX MINERVA



FIBRE & YARNS LUBRICANTS

Achitex Minerva Group develops, manufactures and promotes spin finishes for primary spinning, lubricants for secondary spinning, as well as coning oils for filaments and yarns, lubricants for rings and special products such as colloidal silica micro-dispersions, defoamer, antistatic agents.

Primary objective of Achitex Minerva Group is to meet customer requests through the development of tailor-made formulations, providing technical assistance for any textile process phase, thanks to a close cooperation with the producers.

A team of experts is constantly engaged to research advanced formulations with the aim of guaranteeing and improving the quality of products and processes over time, satisfying all customer and regulatory requirements.

PRIMARY SPINNING

Most of the artificial and synthetic fibres cannot be spun and processed without aid of a spin finish, due to frictions developed during the different production processes.

Spin finishes protect every single filament by absorbing frictions, heat, eliminating electrostatic charges and ensuring cohesion between filaments.

A spin finish is a complex mixture of lubricants, emulsifiers, anti-statics, biocides and other additives which are applied

to the fibre surface by kissing rolls or metering pumps, and through threads guides immediately after extrusion.

Achitex Minerva Group is able to provide adequate solutions based on the fibres involved and the customer's technology.

SECONDARY SPINNING

The process of transformation natural, artificial, synthetic fibres and staple fibres into yarns is known as secondary spinning.

Fibres processing involves friction, heat and electrostatic charges as in primary spinning, with consequent lack of cohesion among fibres themselves.

These problems can be solved through the application of an antistatic lubricant directly on tops, slivers and rovings,

which creates a protective film around each fibre.

Achitex Minerva Group has taken advantage from the long and consolidated experience as a supplier of the most important Italian textile spinning mills, which has allowed it to refine its formulations and develop new recipes that meet every customer requirement.

PRIMARY SPINNING FROM POLYMER TO FIBRE

POLYAMIDE	LOY/POY/FOY	POY>DTY	BCF
AVIFIL NFD 02	●		
AVIFIL NFD 94	●		
AVIFIL PA 485	●		
AVIFIL PA 487	●		
AVIFIL PA 515	●		
AVIFIL NPY 82		●	
AVIFIL NPY 164		●	
AVIFIL PA SA		●	
AVIFIL PA RDC			●

POLYESTER	LOY/POY/FOY	POY>DTY
AVIFIL TWDS	●	
AVIFIL HT 906	●	
AVIFIL PES 303		●
AVIFIL PES 606		●

POLYPROPYLENE	CF	STAPLE FIBRE	BCF
AVIFIL 434	●		
TECHSPIN 80	●	●	
TECHSPIN CT 2	●	●	
TECHSPIN 75		●	
AVIFIL ALM			●
AVIFIL BCF 80			●

ACRILIC	APPLICATION
ACHISPAN 80	Outdoor fiber
ACHISPAN ODE	Outdoor fiber with improved washability
ACHISPAN 110 N	Textile fiber
ACHISPAN GD 992	Gel dyed fiber
ACHISPAN OE 122	Fiber for open end spinning
ACHISPAN PAC FC	Carbon fiber precursor
AVIFIL PM	Cohesioneing and lubricating additive

LOY	POY	FOY	DTY	CF	BCF
Low Oriented Fibre	Partially Oriented Fibre	Fully Draw Yarn	Draw Textured Fibre	Continuous Filament	Bulk Continuous Filament

SYNTHETIC STAPLE FIBER

APPLICATION

TECHSPIN PES 70 L	Standard product
TECHSPIN PES 77	Improved cold resistance
TECHSPIN PES 529	Soft touch
TECHSPIN PSL 105	Spunlace fiber
TECHSPIN PSB 27	Spunbond
TECHSPIN PHS 120	Hydrophilic finish
TECHSPIN PHB 377	Hydrophobic finish
TECHSPIN PGT 90	Geotextile fiber

PRIMARY SPINNING



From Chips to Fiber and Yarn



SECONDARY SPINNING



From short Fiber to Yarn





SECONDARY SPINNING FROM FIBRE TO YARN

WORSTED SPINNING

APPLICATION

DEFILAN EM 35		Ordinary wool and blends
DEFILAN UN		Universal lubricant for wool and blends
DEFILAN VP 90		Noble fiber, especially for animal hair
DEFILAN W 406	 	Universal, high concentration lubricant with antistatic protection

WOLLEN SPINNING

APPLICATION

ACHFIL AL		Ordinary wool and blends
ACHFIL R 345		Fat wool
ACHFIL TXN		Ordinary wool and blends
ORAFIL AT		Noble fiber
ORAFIL CW 31	 	Universal, high concentration lubricant with antistatic protection
ORAFIL CW 70		Carpet yarns
ORAFIL MS		Ordinary wool and blends

ADDITIVES AND SPECIAL PRODUCTS

DESCRIPTION

TOPSOIL LW 2		Top making lubricant
ACHIFIL STO		Cohesioneing and lubricating additive
DEFILAN HRO		Semi-worsted spinning lubricant
ACHISTAT 073 F		Universal antistatic
ACHISTAT K		Antistatic for wollen spinning
ACHISTAT AL 30		Antistatic for worsted spinning
ACHISTAT HF 50		Antistatic for synthetic fiber
ACHIFLEX PS		Silica gel for worsted spinning
ACHIGEL 12		Silica gel for wollen spinning
RINGOIL B2		Ring lubricant
COROIL NGL		Mineral oil based coning oil
CONALUBE ECO 040		Eco friendly coning oil
CONALUBE ECO 100		Eco friendly coning oil with anti splash



Suitable for GOTS



Top range



ACHITEX MINERVA

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