



Staple Fiber

Melt Spinning

“Polyester
Polypropylene
Polyamid”



ABOUT US

Zarif-Mosavar industrial group initiated its activities in Boroujen industrial zone in 1984.

The group head office is located in Isfahan. staple fiber and yarn production units were also established together along with other production units in the same year.

Final product`s quality of Zarif-Mosavar indicates high quality range of applied raw material in the process of our internal production. due to continuity of successful activities in our group and because of popularity and credibility of the brand, various certificates & awards have been obtained from national and international institutes. These certificates would easily prove the point that the quality item has the highest priority for Zarif-Mosavar group in all the required levels.

Various modern production lines and facilities, advanced QC laboratories along with specialist experts have come together for Zarif-Mosavar group to manufacture and deliver best products to our customers.



PRODUCTION LINES

Zarif-Mosavar Co. manufactures its products by applying latest technology and modern production facilities which are listed as below:

- Five production lines for different polyester fibers, recycled polyester, polyamide, and polypropylene by daily capacity of 100 tons, and a line for washing crushed polyester material.
- Three production lines for BCF Yarn, a heat set-freeze and cabling yarn with daily capacity of 20 tons.
- Production line of plastic materials packing with daily capacity of 3 tons .
- Production line of recycling granules with the capacity of 6 tons per day.
- QC laboratory with all the required equipments for testing yarn and fiber products.

It should be considered that all the existing production and laboratory equipments are made in well-known European companies from Germany, France, England and Italy.

PRODUCTS STAPLE FIBER

In the field of Melt spinning, Zarif-Mosavar products are divided into main groups of fibers & BCF Yarns. Artificial fibers are including Polyester (Virgin and Recycled), Polypropylene and Polyami fibers along with BCF Yarns (Heatset, Freeze and Cabling).

LATEST
TECHNOLOGY
MODERN
EQUIPMENT



MELT SPINNING CO.



COMPETITIVE ADVANTAGES

Zarif Mosavar group in melt spinning field is supported by the ownership of Regal Petrochemical and Tis Masterbatch companies as its subsidiaries and obviously there is no specific limitation in providing of raw materials.

TECHNICAL SPECIFICATIONS

Some technical specifications of our fiber products are enlisted as below:

Product Group	Material	Specification		Fineness	Ref.Works	Color
Fiber	Polyester	Virgin	Solid	>3	According To Order	According To Order
Fiber	Polyester	Recycle	Solid	>4	According To Order	According To Order
Fiber	Polyester	Virgin	Hallow R	>6	According To Order	According To Order
Fiber	Polyester	Recycle	Hallow R	>6	According To Order	According To Order
Fiber	Polypropylene	Virgin	Solid	>3	According To Order	According To Order
Fiber	Polypropylene	Virgin	Concrete	>3	According To Order	According To Order
Fiber	Polyester	Recycle	Concrete	>4	According To Order	According To Order
Fiber	Polyamide	Virgin	Solid	>6	According To Order	According To Order
Fiber	Polypropylene	Virgin	Hydrophilic	>2	According To Order	According To Order
Fiber	Polyester	R.V	Solid	>4	According To Order	According To Order
Fiber	Polyester	Recycle	Melange	>4	According To Order	According To Order
Fiber	Polypropylene	Virgin	High Tenacity	>3	According To Order	According To Order

Denier 3 Polyester Fibers			
Product Specification	Value	Measuring Unit	Test Reference
Length	12,18,51,64,75,90,100,110,130 ± 5%	mm	ISO 6989
Oil Pick up	0.2 ± 0.05	%	ASTM D2257
Tenacity	Min. 3	gf / den	ISO 1973
Elongation	50 ± 10	%	ISO 1973
Fineness	3 ± 10%	Denier	ISO 1973
Humidity	Max. 1	%	ASTM D2257
Shrinkage	+1 to +3	%	ASTM D4974
Color	According to Sample	-	According to Sample
Crimp Number	50 ± 10	Waves / Decimeter	DIN 53840 - 1

MELT SPINNING CO.



Denier 6 Polyester Fibers			
Product Specification	Value	Measuring Unit	Test Reference
Length	12,18,51,64,75,90,100,110,130 ± 5%	mm	ISO 6989
Oil Pick up	0.2 ± 0.05	%	ASTM D2257
Tenacity	Min. 3	gf / den	ISO 1973
Elongation	55 ± 15	%	ISO 1973
Fineness	6 ±10%	Denier	ISO 1973
Humidity	Max. 1	%	ASTM D2257
Shrinkage	+1 to +3	%	ASTM D4974
Color	According to Sample	-	According to Sample
Crimp Number	35 ± 5	Waves / Decimeter	DIN 53840 - 1

Denier 6 ,High Tenacity Polypropylene Staple Fibers			
PRODUCTS SPECIFICATION	VALUE	MEASURING	TEST REFERENCE
Length	75±5	mm	ISO 6989
Fineness	6±6%	Denier	ISO 1973
Tenacity	min.52	gf/den	ISO 1973
Elongation	max.100	%	ISO 1973
Shrinkage	max.+6	%	ASTM D4974
Crimp Number	20±5	Waves/Decimeter	DIN 53840-1
Humidity	max.1	%	ASTM D2257
Oil Pick up	0.25±0.05	%	ASTM D2257
Color	Raw White		

Denier 3 / 6 Polypropylene Fibers (High Tenacity)			
Product Specification	Value	Measuring Unit	Test Reference
Length	12,18,51,64,75,90,100,110,130 ± 5%	mm	ISO 6989
Oil Pick up	0.2 ± 0.05	%	ASTM D2257
Tenacity	Min. 3	gf / den	ISO 1973
Elongation	55 ± 15	%	ISO 1973
Fineness	6 ±10%	Denier	ISO 1973
Humidity	Max. 1	%	ASTM D2257
Shrinkage	Max. 5	%	ASTM D4974
Color	According to Sample	-	According to Sample

Denier 15 Polyester Fibers			
Product Specification	Value	Measuring Unit	Test Reference
Length	12,18,51,64,75,90,100,110,130 ± 5%	mm	ISO 6989
Oil Pick up	0.2 ± 0.05	%	ASTM D2257
Tenacity	Min. 3	gf / den	ISO 1973
Elongation	Max. 75	%	ISO 1973
Fineness	15 ±10%	Denier	ISO 1973
Humidity	Max. 1	%	ASTM D2257
Shrinkage	Max. 1	%	ASTM D4974
Color	According to Sample	-	According to Sample
Crimp Number	26 ± 6	Waves / Decimeter	DIN 53840 - 1



Denier 17 Polyester Fibers			
Product Specification	Value	Measuring Unit	Test Reference
Length	12,18,51,64,75,90,100,110,130 ± 5%	mm	ISO 6989
Oil Pick up	0.2 ± 0.05	%	ASTM D2257
Tenacity	Min. 2.5	gf / den	ISO 1973
Elongation	Max. 75	%	ISO 1973
Fineness	17 ±10%	Denier	ISO 1973
Humidity	Max. 1	%	ASTM D2257
Shrinkage	Min. 1 Max. 3	%	ASTM D4974
Color	According to Sample	-	According to Sample
Crimp Number	20 - 25	Waves / Decimeter	DIN 53840 - 1

Denier 15 Polypropylene Fibers			
Product Specification	Value	Measuring Unit	Test Reference
Length	12,18,51,64,75,90,100,110,130 ± 5%	mm	ISO 6989
Oil Pick up	0.2 ± 0.05	%	ASTM D2257
Tenacity	Min. 30	gf / den	ISO 1973
Elongation	Max. 100	%	ISO 1973
Fineness	15 ±10%	Denier	ISO 1973
Humidity	Max. 1	%	ASTM D2257
Shrinkage	Max. 5	%	ASTM D4974
Color	According to Sample	-	According to Sample
Crimp Number	23 ± 4	Waves / Decimeter	DIN 53840 - 1

Raw White 35T Diameter Concrete Fibers			
Product Specification	Value	Measuring Unit	Test Reference
Length of Fibers	6 ± 1.5 . 12 ± 1.5 . 18 ± 1.5	mm	ISO 6989
Extraction Oil	0.5 ± 0.05	%	PL-OPA0
Diameter	35 ± 1.7	Micron	Domestic Laboratory
Tearing Strength	Min: 30 Max. 40	Centinewton / mm2	ASTM D3822
Elongation of Length	Max: 60	%	ASTM D3822
Humidity	Max: 1	%	PL-MERO
External Particles	Without External Particles	-	According to Sample
Dispersion	Fully Dispersed in Water	-	Domestic Method





Industrial group
Contact Us

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