



# TAIRYLAN ACRYLIC FIBER

## FORMOSA PLASTICS CORPORATION TAIRYLAN DIVISION

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# Specifications of TAIRYLAN products

## 1. Introduction

"TAIRYLAN" is the trademark of the Acrylic Fibers produced by Formosa Plastics Corporation. It started to produce Acrylic Fiber in 1967 and now has a production capacity of 75,000 metric tons annually. Following the market trend of specialties, "TAIRYLAN" has developed varieties of types listed below.

## 2. Type of TAIRYLAN

Type	Characteristics
E21	Ordinary type in the form of tow, staple and top possessing soft and resilient characteristics, applicable for making sweaters, circular-knitted goods, woven apparel fabrics, blankets and carpets etc.
EC20	Bi-component fiber to match E21 type for reinforcing elasticity of processed goods.
OE	Fiber for open-end machine.
FD	Cotton-like fiber, used for making fancy yarn
HH	Hi-high shrinkable fiber, used for spinning fancy yarn
AD2	Acid dye able fiber blended with wool and has mélange effect.
D10	Anti-pilling
F11 F12 F13	Modified acrylic flame retardant fiber

### 3. Staple

Denier	Type	Luster	Shrinkage	Cut Length
1.5D	E21 OE F11 F12, F13	BR, SD BR BR, SD SD	REG REG REG REG	1.5", 2"
2D	E21 D10 F11	BR, SD BR, SD BR	REG REG REG	2", 2.5"
3D	E21 AD2 HH FD F11	BR, SD BR, SD BR FD BR	REG, SH REG, SH H/H REG REG	1.25", 1.5", 2", 2.5", 3", 4", VCL
5D	E21 AD2 FD	BR, SD BR FD	REG, SH REG REG	1.5", 2", 2.5", 3", 4", 5", 6", VCL
8D	E21	BR, SD	REG	3", 4", 5", 6", VCL
10D	E21	BR, SD	REG	3", 4", 5", 6", VCL
15D	E21	BR, SD	REG	3", 4", 5", 6", VCL

**Remarks:**

1. BR: Bright
2. SD: Semi dull
3. REG: Regular (non-shrinkable)
4. SH: Shrinkable staple fiber, yarn shrinkage 22%±2%
5. VCL: Variable cut length, both of 3"-5" VCL and 4"-6" are available upon request.
6. Other cut lengths are available upon request.

#### 4. Top

Item no.	Type	Denier	Yarn shrinkage	Composition		
				Seydel (R)	Seydel (S)	Card
A30B02	AD2	3D	Regular	3BRX100%		
A30B42	AD2	3D	22±2%		3BRX100%	
I20D0	D10	2D	Regular	2SDX100%		
R30B0K	E21	3D	Regular			3BRX100%
R50B0K	E21	5D	Regular			5BRX100%
B33D4K	E21	3D	22±2%		3DSX40%	3SDX60%
S30B4K	E21	3D	22±2%		3BSX100%	
F30D0K	FD	3D	Regular	3FDX100%		
R35B0K	E21	3D 5D	Regular			3BRX50% 5BRX50%
H30B5	HH	3D	36±2%			3BSX100% (SH:36%)

#### 5. Tow

Type	Denier	Luster	Total Denier
E21	3, 5	BR, SD	800,000D
D10	2	BR, SD	800,000D
AD2	3, 5	BR, SD	800,000D

#### 6. Export packing: Sea-worthy bales packing

Item	Dimensions (Approx.)(LxWxH)	Measurement (Approx.)	Net Weight (Kg)	Gross Weight (Kg)
Top	104 x 75 x 89cm	0.70m <sup>3</sup>	255	257
Staple	105 x 55 x 115cm	0.68m <sup>3</sup>	240	241
Tow	105 x 74 x 100cm	0.78m <sup>3</sup>	Abt. 360	Abt. 361