GLASS FIBER YARN

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Catalog of outstanding collection

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MAIN OFFICE: WINGS ANKARA PLAZA- MEHMET AKİF ERSOY Mh.274 Sk No:1 B/25 YENIMAHALLE ANKARA
STOREHOUSE ANKARA: SERHAT Mh.1147 Cd 12/1 YENIMAHALLE ANKARA TÜRKİYE TR06374
TEL: +9031239553680
EMAIL : info@primegrup.com.tr

OVER VIEW

Kataloğumuza hoş geldiniz; olağanüstü bir cam elyaf iplik yelpazesini sunan bir koleksiyon. Dayanıklı cam elyaf liflerinden üretilen ve özel kaplamalarla güçlendirilen cam elyaf ipliklerimiz, dayanıklılık, mukavemet ve sıcaklık direncinin simgesi olarak durmaktadır. Yüksek performanslı dünyamızın premium cam elyaf iplik koleksiyonunda çeşitli kompozitler, tekstiller ve takviyeler için uygulamaları keşfedin.

Fiber Cam Çift İplik İki veya daha fazla fiber cam ipliği, çift iplik veya bükülmüş iplik olarak adlandırılan bir iplik haline getirilir.
Spesifikasyon adı, bileşimi, iplik çapı, TEX, lifler, bükme yönü ve TPI'yi göstermek üzere uluslararası iki tür isimlendirme sistemini içerir; örneğin EC9 33 1X2 S150 (metrik sistem) ve ECG150 1/2 3.8S (ABD sistemi). Daha fazla bilgi için aşağıdaki tabloya bakınız.

Metric System	
E	Abbreviation for alkali-free glass, E- glass
C	Abbreviation for continuous fiber
9	Diameter of filament (μm)
33	TEX of single yarn(g/1000m)
1×2	Number of strand plied 1 : Indicates the plying object's number of strands 2 : Indicates the number of strands which used for plying (Use 2 strands of single yarns to ply。)
S	Twistin Drection (S or Z)
150	Twist Number Per Meter, TPM

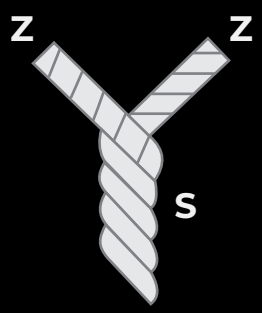
U.S. System	
E	Abbreviation for alkali-free glass, E- glass
C	Abbreviation for continuous fiber
G	Code of filament diameter
150	Yard length per pound of single yarn (100yd/1b)
1/2	Number of strand plied 1 : Indicates the plying object's number of strands 2 : Indicates the number of strands which used for plying (Use 2 strands of single yarns to ply。)
3.8	Twist Number Per Inch, TPI
S	Twisting Direction (S or Z)

Welcome to our catalog showcasing an outstanding selection of glass fiber yarns. Crafted from resilient strands of glass fibers and fortified with specialized coatings, our glass fiber yarns epitomize strength, durability, and heat resistance. Explore the diverse applications in composites, textiles, and reinforcements as you immerse yourself in the high-performance realm of our premium glass fiber yarn collection.

Fiberglass Plied Yarn Two or more strands of fiberglass yarns are combined or twisted into a single yarn, known as plied yarn or twisted yarn.
The specification nomenclature includes two types of international naming systems, the Metric system and the US system, indicating composition, yarn diameter, TEX, strands, twist direction, and TPI. For instance, EC9 33 1X2 S150 (Metric system) and ECG150 1/2 3.8S (US system). Please refer to the chart below for further details.

Cam Elyaf İpliklerinin Özellikleri Cam elyaf ipliği birkaç mükemmel özelliğe sahiptir, örneğin:

- Elektriksel İzolasyon
- Termal İzolasyon
- Yüksek Çekme Mukavemeti
- Boyutsal Kararlılık
- Kimyasal Direnç Büküldükten sonra, belirtilen olağanüstü özellikler korunur ve şu avantajları sağlar:
- Daha Yüksek Aşınma/Katlanma Direnci
- İplik Çapı Değişikliği (farklı bitmiş görünümler sunar) Bu nedenle, üretim parametrelerinin farklı ayarlamalarıyla cam elyaf kümeli iplik, fiber cam dikiş ipliği, filtre torbaları, taşıyıcı bantlar ve diğer uygulamalar için cam elyaf çift iplik gibi çeşitli spesifikasyonlar geliştirebilir ve ayrıca Elektronik kumaş dikiş ipliği, kesici eldivenler, yalıtım bandı, mimari cam elyaf membran, inşaat takviye malzemeleri ve kompozit malzemeler gibi çeşitli uygulamalarda kullanılabilir.



Bükme Yönü İplikte S ve Z olmak üzere iki bükme yönü vardır. S-bükme durumunda, lifler, bir S harfinin orta bölümü gibi yukarı doğru sağdan sola bir konfigürasyon alır. Z-bükme durumunda, lifler, bir Z harfinin orta bölümü gibi yukarı doğru soldan sağa bir konfigürasyon alır.

Traits of Glass Fiber Yarns Fiberglass yarn boasts several outstanding features, including:

- Electrical Insulation
- Thermal Insulation
- High Tensile Strength
- Dimensional Stability
- Chemical Resistance After plying, the exceptional traits mentioned

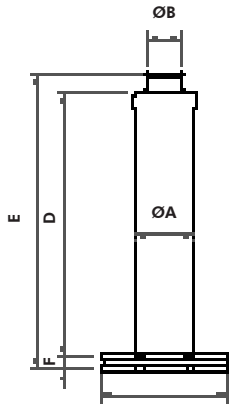
are retained, offering additional advantages, such as:

- Higher Abrasion/Folding Resistance
- Yarn Diameter Variation (resulting in different finished appearances) By adjusting production parameters, various specifications can be developed, such as glass fiber skein yarn, fiberglass sewing thread, glass fiber plied yarn for filter bags, conveyor belts, and other applications. It can also be used in Electronic cloth sewing thread, anti-cut gloves, insulating tape, architectural fiberglass membrane, construction reinforcement materials, and composite materials, among others.

Direction of Twisting Yarn has two twisting directions: S & Z. In S-twist, the strands assume an ascending right-to-left configuration, resembling the central portion of the letter S. In Z-twist, the strands assume an ascending left-to-right configuration, resembling the central portion of the letter Z.

BOBBIN

code	Ø A (mm)	Ø B (mm)	Ø C (mm)	D (mm)	E (mm)	F (mm)
#140	60	42	140	321	362	19
#155	60	45	155	296	337	19
#196	70	63.6	196.6	388	435	19
Two cone	60	41	99	323	367	18.5



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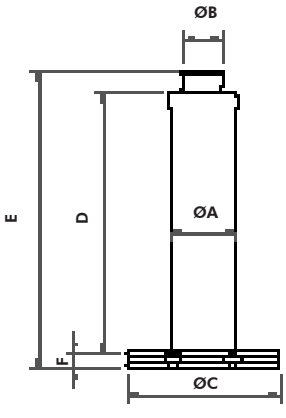

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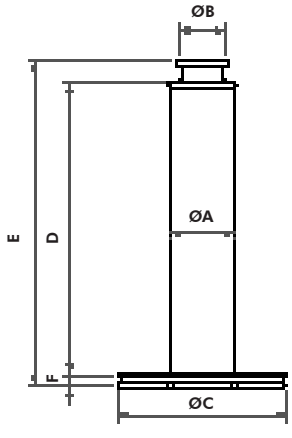

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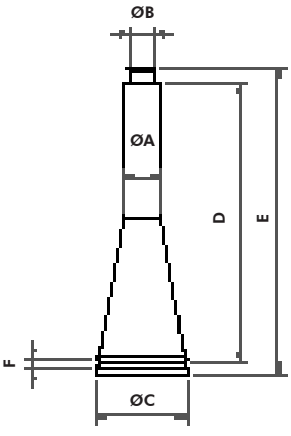

Two cone

S/I units (tex) type & t.p.m	Inch - pounds units type and t.p.i	package weight	length of package	Loss on ignition	Tensile Strength
EC4 34*2*2 Z380	ECBC 150 2/2 9.6Z	2.05	14,400	0.7 - 1.4	66
EC4 34*2*3 S135	ECBC 150 2/3 3.4S	2.05	9,800	0.7 - 1.4	99
EC4 34*3*3 Z380	ECBC 150 3/3 9.6Z	2.05	6,400	0.7 - 1.4	148
EC4 34*4*3 S135	ECBC 150 4/3 3.4S	2.05	4,900	0.7 - 1.4	198
EC4 34*2*4 Z320	ECBC 150 2/4 8.0Z	2	7,300	0.7 - 1.4	138
EC5 2.8*2 S180	ECD 1800 1/2 4.4S	0.6	101,000	1.0 - 1.4	3.4
EC5 5.5*2 S180	ECD 900 1/2 4.4S	1.1	98,500	1.2 - 2.0	6.8
EC5 11*2 S150	ECD 450 1/2 3.8S	2.7	119,800	1.0 - 1.8	14
EC5 11*2 S160	ECD 450 1/2 4.0S	2.7	119,800	1.0 - 1.8	14
EC5 11*2 S180	ECD 450 1/2 4.4S	2.7	119,800	1.0 - 1.8	14
EC5 11*9*4 Z110	ECD 450 9/4 2.8Z	3.4	8,200	1.0 - 1.8	252
EC6 34*2 S100	ECDE 150 1/2 2.5S	3.2	48,000	0.6 - 1.4	36
EC6 34*2 S150	ECDE 150 1/2 3.8S	3.2	48,000	0.6 - 1.4	36
EC6 34*3 S140	ECDE 150 1/3 3.5S	4.4	42,200	0.6 - 1.4	54
EC6 34*3 S150	ECDE 150 1/3 3.8S	3.2	32,000	0.6 - 1.4	54
EC6 68*2 S150	ECDE 75 1/2 3.8S	3.3	24,800	0.6 - 1.4	68
EC6 68*2*3 S120	ECDE 75 2/3 3.0S	3.3	8,000	0.8 - 1.4	204
EC6 68*4*3 S135	ECDE 75 4/3 3.4S	3.3	4,000	0.8 - 1.4	408
EC6 136*2 S150	ECDE 37 1/2 3.8S	4.5	16,400	0.6 - 1.4	136
EC6 136*3 S135	ECDE 37 1/3 3.4S	4.5	10,700	0.6 - 1.4	204
EC6 136*5 S120	ECDE 37 1/5 3.0S	4.5	6,600	0.6 - 1.4	340
EC7 22*2 S150	ECE 225 1/2 3.8S	3.4	75,600	0.8 - 1.4	26
EC7 22*2 S180	ECE 225 1/2 4.4S	3.4	75,600	0.8 - 1.4	26
EC7 22*3 S150	ECE 225 1/3 3.8S	3.4	50,000	0.8 - 1.4	39
EC7 22*2*5 Z280	ECE 225 2/5 7.0Z	1	4,200	0.8 - 1.4	130
EC9 34*2 S110	ECG 150 1/2 2.8S	3.3	48,800	0.6 - 1.5	34
EC9 34*2 S150	ECG 150 1/2 3.8S	3.3	48,800	0.6 - 1.5	34
EC9 34*3 S110	ECG 150 1/3 2.8S	3.3	32,500	0.6 - 1.5	51
EC9 34*3 S150	ECG 150 1/3 3.8S	3.3	32,500	0.6 - 1.5	51
EC9 34*4 S150	ECG 150 1/4 3.8S	3.3	24,000	0.6 - 1.5	68
EC9 34*5 S150	ECG 150 1/5 3.8S	3.3	18,300	0.6 - 1.5	85
EC9 68*2 S110	ECG 75 1/2 2.8S	3.4	24,500	0.6 - 1.4	70
EC9 68*2 S130	ECG75 1/2 3.3S	3.4	24,500	0.6 - 1.4	70
EC9 68*2 S150	ECG 75 1/2 3.8S	3.4	24,500	0.6 - 1.4	70
EC9 68*3 S110	ECG75 1/3 2.8S	3.4	16,500	0.6 - 1.4	105
EC9 68*3 S110	ECG 75 1/3 2.8S	6.4	30,500	0.6 - 1.4	105
EC9 68*3 S130	ECG 75 1/3 3.3S	3.4	16,500	0.6 - 1.4	105
EC9 68*3 S150	ECG 75 1/3 3.8S	3.4	16,500	0.6 - 1.4	105

S/I units (tex) type & t.p.m	Inch - pounds units type and t.p.i	package weight	length of package	Loss on ignition	Tensile Strength
EC9 68*3 S280	ECG 75 1/3 7.0S	3.4	16,000	0.6 - 1.4	105
EC9 68*4 S130	ECG 75 1/4 3.3S	4.2	15,000	0.6 - 1.4	140
EC9 68*4 S150	ECG 75 1/4 3.8S	4.2	15,000	0.6 - 1.4	140
EC9 68*4 S180	ECG 75 1/4 4.4S	4.2	15,000	0.6 - 1.4	140
EC9 68*5 S130	ECG 75 1/5 3.3S	3.5	10,000	0.6 - 1.4	170
EC9 68*6 S150	ECG 75 1/6 3.8S	4.2	9,800	0.6 - 1.4	204
EC9 68*20 S40	ECG 75 1/20 1.0S	4.2	3,000	0.6 - 1.4	680
EC9 68*20 S80	ECG 75 1/20 2.0S	4.2	3,000	0.6 - 1.4	680
EC9 68*3*3 S240	ECG 75 3/3 6.0S	6.9	10,700	0.6 - 1.4	306
EC9 68*3*5 S150	ECG 75 3/5 3.8S	7	6,500	0.6 - 1.4	510
EC9 74*2 S110	ECG 67 1/2 2.8S	4.2	28,000	0.8 - 1.4	76
EC9 102*2 S150	ECG 50 1/2 3.8S	3.4	16,600	0.6 - 1.4	104
EC9 110*2 S120	ECG 45 1/2 3.0S	3.4	15,200	0.6 - 1.4	112
EC9 136*2 S110	ECG 37 1/2 2.8S	4.5	16,400	0.6 - 1.4	136
EC9 136*2 S130	ECG 37 1/2 3.3S	4.5	16,400	0.6 - 1.4	136
EC9 136*2 S150	ECG 37 1/2 3.8S	4.5	16,400	0.6 - 1.4	136
EC9 136*3 S110	ECG 37 1/3 2.8S	4.5	10,700	0.6 - 1.4	204
EC9 136*3 S110	ECG 37 1/3 2.8S	9.3	22,200	0.6 - 1.4	204
EC9 136*3 S130	ECG 37 1/3 3.3S	4.5	10,700	0.6 - 1.4	204
EC9 136*3 S150	ECG 37 1/3 3.8S	4.5	10,700	0.6 - 1.4	204
EC9 136*4 S110	ECG 37 1/4 2.8S	9.3	16,600	0.6 - 1.4	272
EC9 136*5 S130	ECG 37 1/5 3.3S	4.5	6,600	0.6 - 1.4	340
EC9 136*5 S130	ECG 37 1/5 3.3S	9.3	13,500	0.6 - 1.4	340
EC9 136*5 S150	ECG 37 1/5 3.8S	9.3	13,500	0.6 - 1.4	340
EC9 136*6 S150	ECG 37 1/6 3.8S	4.5	5,500	0.6 - 1.4	408
EC9 136*7 S150	ECG 37 1/7 3.8S	4.5	4,700	0.6 - 1.4	476
EC11 111*3 S150	ECH 45 1/3 3.8S	8.3	24,000	0.7 - 1.3	153
EC11 111*4 S150	ECH 45 1/4 3.8S	8.3	18,000	0.7 - 1.3	204
EC11 111*2*3 S150	ECH 45 2/3 3.8S	8.3	9,000	0.7 - 1.3	306
EC11 100*3 S150	ECH 50 1/3 3.8S	8.3	26,800	0.7 - 1.3	138
EC11 100*4 S150	ECH 50 1/4 3.8S	8.3	20,000	0.7 - 1.3	184
EC11 100*2*4 S150	ECH 50 2/4 3.8S	8.3	10,000	0.7 - 1.3	367

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