

# Typical Fiberglass Yarn Nomenclature

## U.S. Customary System (Based on inch pound)

Glass Composition	Filament Type	Filament Diameter	Yield Designation	Ply Designation	TPI	Twist Direction
E-Electrical C-Chemical S-High Strength	C-Continuous S-Staple T-Texturized	Letter corresponding to Microns (See Chart Below)	Ex: 7,500 yds/lb of Nominal Bare Glass in Strand Equals 75 (ie - 15,000 equals 150)	Ex: 1/2 =Number of Strands Plied Together (One Ply of Two Strand Construction)	Turns per Inch in the Twist of Final Yarn	S or Z Direction

## Tex/Metric System (Based on SI/Metric)

Glass Composition	Filament Type	Filament Diameter	Yield Designation	Ply Designation	TPI	Twist Direction
Same As Above	Same As Above	In Microns	Grams per 1000 Meters of Yarn	Same As Above	Turns per Meter in the Twist of Final Yarn	S or Z Direction

## Description of Continuous Filament Glass Fibers

US Units (letter)	D	D	D	D	E	B	C	DE	G	H	DE	C	DE	G	K	H	DE	G	K	H	K	G
SI Units (microns)	5	5	5	5	7	3.5	4.5	6	9	11	6	4.5	6	9	13	11	6	9	13	11	13	9
Yield Designation	1800	900	450	225	225	150	150	150	150	110	100	75	75	75	75	55	37	37	37	25	18	15
Tex Grams per 1000 meters	2.75	5.5	11	22	22	33	33	33	33	45	50	66	66	66	66	90	134	134	134	198	275	330
Approx # of filaments	51	102	204	408	204	1224	816	408	204	204	612	1632	816	408	204	408	1632	816	408	816	816	2052



... TRAVELERS  
FOR FIBERGLASS  
YARN TWISTING!!!



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**T-R**  
For 4.8mm  
(3/16" Rings)

PART NUMBER	DESCRIPTION	ISO (mg)	COLOR
220600-0008N	T-1.235-R	8	NATURAL
220600-0010N	T-1.6-R	10	PURPLE
220600-0015N	T-2.3-R	15	GREEN
220600-0020N	T-3.1-R	20	LIGHT BLUE
220601-0020N	T-3.1-RK	20	YELLOW
220600-0025N	T-3.85-R	25	NATURAL
220601-0025N	T-3.85-RK	25	LIGHT GREEN
220600-0030N	T-4.63-R	30	TURQUOISE
220590-0030N	T-4.63-DO	30	RED
220600-0039N	T-6-R	39	PINK
220590-0040N	T-6.3-DO	40	NATURAL
220600-0045N	T-7-R	46	LEMON
220600-0052N	T-8-R	52	LIGHT GREEN
220601-0052N	T-8-RK	52	ORANGE
220600-0065N	T-10-R	65	LIGHT BLUE
220600-0078N	T-12-R	78	ORANGE
220600-0084N	T-13-R	85	NATURAL
220600-0104N	T-16-R	105	RED



**E-DO**  
For 9.5mm  
(3/8" Rings)

PART NUMBER	DESCRIPTION	ISO (mg)	COLOR
1020096-0078L	E-12-DO	78	ORANGE
220096-0091N	E-14-DO	91	DARK PINK
1020096-0104L	E-16-DO	104	BLUE
1030096-0123A	E-19-DO	123	VIOLET
220070-0125N	E-19.290-B	125	RED
220096-0149N	E-23-DO	149	LIGHT GREEN
1030096-0162A	E-25-DO	160	BLACK
1030096-0187A	E-29-DO	188	LEMON
1030096-0214A	E-33-DO	214	BROWN
1030096-0240A	E-37-DO	240	TURQUOISE
1030096-0260A	E-40-DO	259	RED
1020096-0292L	E-45-DO	292	ORANGE
1030096-0324A	E-50-DO	324	LIGHT GREEN
1030096-0355A	E-55-DO	356	NATURAL
220097-0104N	E-16-DOE	104	BLUE
1030095-0220A	E-34-DOE	220	PINK
1030092-0421A	E-65-DM	421	LILAC



**Q-R**  
For 6.35mm  
(1/4" Rings)

PART NUMBER	DESCRIPTION	ISO (mg)	COLOR
220009-0014N	Q-2.1-R	13.6	PEACH
220009-0019N	Q-3-R	19	NATURAL
220009-0039N	Q-6-R	39	ORANGE
220009-0052N	Q-8-R	52	LIGHT GREEN
220009-0065N	Q-10-R	65	PINK
220009-0078N	Q-12-R	78	BLUE
220009-0091N	Q-14-R	91	LIGHT BLUE
220009-0104N	Q-16-R	104	NATURAL
220009-0123N	Q-19-R	123	LILAC
220003-0125N	Q-19.29-B	125	RED
220009-0136N	Q-21-R	136	GREEN



**E-CM**  
For 9.5mm  
(3/8" Rings)

PART NUMBER	DESCRIPTION	ISO (mg)	COLOR
1030080-0071A	E-11-C	71	BROWN
1030080-0084A	E-13-C	84	VIOLET
1020080-0091L	E-14-C	91	LEMON
1030080-0201A	E-31-C	200	LEMON
220080-0473N	E-73-C	473	GREEN
220080-0583N	E-90-C	575	LIGHT GREEN
220080-0629N	E-97-C	585	DK BLUE
1020082-0039L	E-6-CM	39	NATURAL
1020082-0045L	E-7-CM	45	ORANGE
1020082-0052L	E-8-CM	52	RED
1020082-0058L	E-9-CM	58	PEACH
1020082-0065L	E-10-CM	65	GREEN
1020082-0078L	E-12-CM	78	BLUE
1020082-0104L	E-16-CM	104	NATURAL
220085-0143N	E-22-CM	143	YELLOW
220085-0162N	E-25-CM	162	LILAC
220085-0181N	E-28-CM	181	LIGHT GREEN
220085-0194N	E-30-CM	194	LIGHT BLUE
220085-0220N	E-34-CM	220	BROWN



**E-R**  
For 9.5mm  
(3/8" Rings)

PART NUMBER	DESCRIPTION	ISO (mg)	COLOR
1020136-0104L	E-16-RM	104	LIGHT GREEN
1020136-0123L	E-19-RM	123	GREY
1020136-0136L	E-21-RM	136	BLACK
1020135-0156L	E-24-R	156	LEMON
1020136-0162L	E-25-RM	162	NATURAL
1020136-0220L	E-34-RM	220	RED
1020135-0227L	E-35-R	225	NATURAL
1020136-0246L	E-38-RM	250	BLACK
1020136-0266L	E-41-RM	266	ROSE GREY
1020136-0305L	E-47-RM	305	LIGHT GREEN
1020136-0324L	E-50-RM	324	PINK
1020135-0337L	E-52-R	340	ORANGE
1020135-0356L	E-55-R	355	DARK GREEN
1020135-0376L	E-58-R	376	YELLOW
1020136-0389L	E-60-RM	400	NATURAL
1020136-0467L	E-72-RM	467	BLUE
1020136-0583L	E-90-RM	583	BROWN
1020135-0745L	E-115-R	745	NATURAL



**L-R**  
For 12.7mm  
(1/2" Rings)

PART NUMBER	DESCRIPTION	ISO (mg)	COLOR
220230-0080N	L-12.35-R	80	NATURAL
220230-01425N	L-22-R	142.5	PINK
220230-0162N	L-25-R	162	YELLOW
220230-0195N	L-30-R	194	RED
220230-0220N	L-34-R	220	BLUE
220230-0240N	L-37-R	240	BROWN
220230-0246N	L-38-R	246	LILAC
220230-0285N	L-44-R	285	LEMON
220230-0324N	L-50-R	324	GREEN
220230-0380N	L-58-R	376	BROWN
220230-0440N	L-68-R	441	LEMON
220230-0500N	L-77-R	499	RED
220230-0580N	L-90-R	583	BLUE
220230-0680N	L-105-R	680	BLACK
220230-0778N	L-120-R	778	ORANGE