

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	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!!!



P.O. Box 518
Gastonia, NC 28053, USA
Phone: (704) 865-1201
Fax: (704) 864-8870
Website: www.abcarter.com
Email: intlsales@abcarter.com

S-DO
For 3.7mm

PART NUMBER	DESCRIPTION	ISO (mg)	COLOR	PART NUMBER	DESCRIPTION	ISO (mg)	COLOR
220001-0006N	S-0.926-DO	6	NATURAL	220001-0015N	S-2.315-DO	15	LT GREEN
220001-0008N	S-1.235-DO	8	PINK	220001-0020N	S-3.1-DO	20	ORANGE
220001-0010N	S-1.543-DO	10	YELLOW	220001-0025N	S-3.85-DO	25	PEACH
220001-0012N	S-1.852-DO	12	LT BLUE	220001-0030N	S-4.63-DO	30	TURQUOISE



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

PART NUMBER	DESCRIPTION	ISO (mg)	COLOR	PART NUMBER	DESCRIPTION	ISO (mg)	COLOR
220096-0040N	E-6.17-DO	40	RED	1030095-0220A	E-34-DOE	220	PINK
220096-0047N	E-7.72-DO	50	GREEN	1030096-0240A	E-37-DO	240	TURQUOISE
1020096-0078L	E-12-DO	78	ORANGE	1030096-0260A	E-40-DO	259	ORANGE
1030096-0080A	E-12.3-DO	80	ORANGE	1020096-0292L	E-45-DO	292	ORANGE
220096-0091N	E-14-DO	91	DK. PINK	1030096-0292A	E-45-DO	292	ORANGE
1020096-0104L	E-16-DO	104	BLUE	1030096-0324A	E-50-DO	324	LT GREEN
220097-0104N	E-16-DOE	104	BLUE	1030096-0355A	E-55-DO	356	NATURAL
220070-0125N	E-19.2-B	125	RED	220070-0901N	E-139-B	901	NATURAL
220096-0123N	E-19-DO	123	TURQUOISE	220070-0998N	E-154-B	1000	RED
220096-0149N	E-23-DO	149	LT GREEN	1030092-0382A	E-59-DM	382	BROWN
1030096-0162A	E-25-DO	162	BLACK	1030092-0421A	E-65-DM	421	LILAC
1030096-0187A	E-29-DO	188	LEMON	1030092-0972A	E-150-DM	972	NATURAL
1030096-0201A	E-31-DO	201	PINK	1030092-1063A	E-164-DM	1063	BLACK
1030096-0214A	E-33-DO	214	BROWN	1030092-1225A	E-189-DM	1225	YELLOW

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

PART NUMBER	DESCRIPTION	ISO (mg)	COLOR	PART NUMBER	DESCRIPTION	ISO (mg)	COLOR
220590-0006N	T-0.926-DO	6	YELLOW	220600-0039N	T-6-R	39	PINK
220600-0008N	T-1.235-R	8	NATURAL	220590-0040N	T-6.3-DO	40	NATURAL
220600-0010N	T-1.6-R	10	PURPLE	220600-0045N	T-7-R	46	LEMON
220600-0011N	T-1.65-R	11	PURPLE	220590-0050N	T-7.71-DO	50	ORANGE
220600-0015N	T-2.3-R	15	GREEN	220600-0052N	T-8-R	52	GREEN
220590-0016N	T-2.47-DO	16	WINE	220601-0052N	T-8-RK	52	ORANGE
220590-0020N	T-3.09-DO	20	ORANGE	220600-0065N	T-10-R	65	BLUE
220600-0020N	T-3.1-R	20	BLUE	220600-0078N	T-12-R	78	ORANGE
220600-0025N	T-3.85-R	25	NATURAL	220602-0078N	T-12-RM	78	BLUE
220590-0025N	T-3.86-DO	25	BLUE	220600-0084N	T-13-R	85	NATURAL
220590-0030N	T-4.63-DO	30	RED	220600-0104N	T-16-R	105	RED
220600-0030N	T-4.63-R	30	TURQUOISE				



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

PART NUMBER	DESCRIPTION	ISO (mg)	COLOR	PART NUMBER	DESCRIPTION	ISO (mg)	COLOR
220080-0026N	E-4-C	26	DK GREEN	220080-0473N	E-73-C	473	GREEN
220080-0039N	E-6-C	39	YELLOW	220080-0531N	E-82-C	531	RED
1030080-0045A	E-7-C	45	WINE	220080-0583N	E-90-C	583	LT GREEN
220080-0058N	E-9-C	58	DK.BLUE	1030080-0629A	E-97-C	629	DK. BLUE
1030080-0071A	E-11-C	71	BROWN	220080-0972N	E-150-C	972	PINK
1030080-0084A	E-13-C	84	VIOLET	1020082-0039L	E-6-CM	39	NATURAL
1020080-0091L	E-14-C	91	LEMON	1020082-0045L	E-7-CM	45	ORANGE
220080-0104N	E-16-C	104	DK GREEN	1020086-0045L	E-7-CM-1	45	NATURAL
1030080-0104A	E-16-C	104	RED	1020082-0052L	E-8-CM	52	RED
220080-0117N	E-18-C	117	RED	1020082-0058L	E-9-CM	58	PEACH
1020080-0130L	E-20-C	130	YELLOW	1020082-0065L	E-10-CM	65	GREEN
1020080-0162L	E-25-C	162	BLACK	1020082-0078L	E-12-CM	78	BLUE
220080-0187N	E-29-C	187	ORANGE	1020082-0104L	E-16-CM	104	NATURAL
1030080-0201A	E-31-C	201	LEMON	220085-0143N	E-22-CM	143	YELLOW
1020080-0240L	E-37-C	240	PINK	220085-0162N	E-25-CM	162	LILAC
1030080-0272A	E-42-C	272	BLUE	220085-0181N	E-28-CM	181	LT. GREEN
1020080-0356L	E-55-C	356	RED	220085-0194N	E-30-CM	194	LT BLUE
220080-0382N	E-59-C	382	VIOLET	220085-0220N	E-34-CM	220	BROWN
220080-0434N	E-67-C	434	YELLOW				

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

PART NUMBER	DESCRIPTION	ISO (mg)	COLOR	PART NUMBER	DESCRIPTION	ISO (mg)	COLOR
220009-0014N	Q-2.1-R	13.6	PEACH	220009-0104N	Q-16-R	104	NATURAL
220009-0019N	Q-3-R	19	NATURAL	220009-0123N	Q-19-R	123	LILAC
220009-0039N	Q-6-R	39	ORANGE	220003-0125N	Q-19.29-B	125	RED
220009-0052N	Q-8-R	52	GREEN	220005-0123N	Q-19.2-C	125	NATURAL
220008-0052N	Q-8-RM	52	RED	220009-0136N	Q-21-R	136	GREEN
220003-0063N	Q-9.7-B	63	RED	220009-0150N	Q-23-R	150	NATURAL
220009-0065N	Q-10-R	65	PINK	220009-0194N	Q-30-R	194	NATURAL
220009-0078N	Q-12-R	78	BLUE	220009-0246N	Q-38-R	246	NATURAL
220009-0091N	Q-14-R	91	BLUE				

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

PART NUMBER	DESCRIPTION	ISO (mg)	COLOR	PART NUMBER	DESCRIPTION	ISO (mg)	COLOR
1020136-0104L	E-16-RM	104	LT GREEN	1020136-0324L	E-50-RM	324	NATURAL
1020136-0123L	E-19-RM	123	NATURAL	1020135-0337L	E-52-R	340	ORANGE
1020136-0136L	E-21-RM	136	BLACK	1020135-0356L	E-55-R	356	DK GREEN
1020135-0156L	E-24-R	156	LEMON	1020135-0376L	E-58-R	376	YELLOW
1020136-0162L	E-25-RM	162	NATURAL	1020136-0389L	E-60-RM	389	NATURAL
1020136-0194L	E-30-RM	194	DK GREEN	1020136-0467L	E-72-RM	467	BLUE
1020136-0220L	E-34-RM	220	RED	1020136-0500L	E-77-RM	499	TURQUOISE
1020137-0220L	E-34-RM	220	BLUE	1020136-0583L	E-90-RM	583	BROWN
1020135-0227L	E-35-R	227	NATURAL	1020135-0745L	E-115-R	745	NATURAL
1020136-0246L	E-38-RM	246	BLACK	1020135-0800L	E-123.5-R	800	NATURAL
1020136-0266L	E-41-RM	66	GRAY	1020135-0901L	E-139-R	901	RED
1020136-0305L	E-47-RM	305	LT GREEN				



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

PART NUMBER	DESCRIPTION	ISO (mg)	COLOR	PART NUMBER	DESCRIPTION	ISO (mg)	COLOR
220230-0080N	L-12.35-R	80	NATURAL	220230-0440N	L-68-R	441	LEMON
220230-01425N	L-22-R	142.5	PINK	220230-0500N	L-77-R	499	RED
220230-0162N	L-25-R	162	YELLOW	220230-0580N	L-90-R	583	BLUE
220230-0195N	L-30-R	194	RED	220230-0680N	L-105-R	680	BLACK
220230-0220N	L-34-R	220	BLUE	220230-0778N	L-120-R	778	ORANGE
220230-0240N	L-37-R	240	BROWN	220220-0246N	L-38-C-1	245	NATURAL
220230-0285N	L-44-R	285	LEMON	220220-0285N	L-44-C-1	285	ORANGE
220230-0324N	L-50-R	324	GREEN	220220-0713N	L-110-C-1	713	YELLOW
220230-0380N	L-58-R	376	BROWN				