



**CUSTOMER
ACCEPTANCE
STANDARD**

No. TP-194 S-12
Date: 22-Nov-04
Supersedes: 22-Jun-99
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BEAMED FIBERGLASS CONTINUOUS YARN

I. DESCRIPTION

Beamed fiberglass yarn is an accumulation of parallel ends pulled from a creel and wound on flanged section beams.

II. USE

These beams are used in the manufacture of non-woven scrim products.

III. AVAILABLE PRODUCTS AND NUMBER OF ENDS

Available Yarns	Maximum Million End Yards by Beam Number		Available Ends
	Beam Number		
	9002	9004	
ECG37 1/0 620 0.5Z	10.5	12.0	See Table 1
ECG75 1/0 620 0.7Z	22.5	26.6	See Table 2
ECG150 1/0 620 0.7Z	46.0	53.2	See Table 1
ECG150 1/0 646 0.7Z	46.0	53.2	See Table 1

Table 1.

Beam Type	Minimum Ends	Maximum Ends
9002	100	700
9004	100	700

Table 2.

Beam Type	Minimum Ends	Maximum Ends
9002	80	880
9004	80	880

IV. DETERMINATION OF MILLION END YARDS

1. Calculate the number of million end yards (MEY) by multiplying the required ends times the required length. (Example 700 ends x 35000 yards=24500000 or 24.5 MEY)
2. Using the above chart(s), select the package having the nearest maximum MEY capacity exceeding the calculated MEY
3. The applicable package per the example would be Package 9002, however, the product is likewise available on all other packages having a capacity greater than Package 9002.



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V. PHYSICAL PROPERTIES OF CONSTITUENT YARNS AND TEST METHODS

Yarn	TPI and Direction	Size	Nominal Bare Glass Yardage	Minimum Break Strength	Nominal Yarn Diameter
G37 1/0	0.5Z	620	3700	10.0	0.0156
G75 1/0	0.7 Z	620	7300	5.7	0.0106
G150 1/0	0.7 Z	620	15000	3.2	0.0080
G150 1/0	0.7 Z	646	15000	4.0	0.0080
Test Method*	D-15A	N/A	W-07 Ea	S-1 Fb	D-02C, D-02Eb

*Owens-Corning test methods available upon request.

VI. PACKAGE DESCRIPTIONS AND WORKMANSHIP CRITERIA

See Advanced Glassfiber Yarns document CAS BM-Pkg-1 for more information

VII. ADDITIONAL PACKAGING REQUIREMENTS

In addition to the standard procedures for doffing, a lease paper will be inserted into the beam prior to final anchoring of the ends to the beam.