





Document No.: NMS 818/14

Carbon Fiber Tow, 670 Tensile Strength, 34.7 Tensile Modulus

(Supplier Product Designation: Tenax-E HTS40 F13 12K 800tex) (Old Designation: Tenax-E HTS 5631 800tex f12000 t0)

(for NMS 688/1 Tape and NMS 688/2 Fabric Tencate TC 250 Prepregs)

NCAMP Material Specification

Prepared by: Yeow Ng, John Tomblin

3 TECHNICAL REQUIREMENTS

3.2.5 Splices

Splices are allowed for twisted tow (Style TT) only. UT and NT styles shall not be spliced. The frequency of carbon fiber tow splice shall be no more than two per pound.

3.2.9 Storage Life

interruption. Production equipment setting may be fine-tuned by the manufacturer during the production of a fiber lot only if the manufacturer is familiar with the effects of the setting on the carbon fiber properties, and for the purpose of meeting the requirements of this specification and corresponding PCD only. The fine-tuned process set-points and as-measured values must be within PCD limits.

3.3	Properties			
	The carbon fiber tow product shall conform to the requirements of Table 1.			
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4.4 Change Control Approval (additional requirement)

To participate in change control management and be notified when changes occur to this specification and/or PCD, end-users must provide the appropriate contact details (name, title, company, address, e-mail, and phone) to NCAMP, Wichita State University – NIAR, 1845 Fairmount, Wichita, KS 67260-0093.

QUALIFIED PRODUCTS LIST

Supplier Product Designation	Supplier Name, Location, and Line Number	Date Qualified	Specification Callout
Tenax-E HTS40 F13 12K 800tex	Supplier Name: Toho Tenax America, Inc.	July 2, 2009	NMS 818/14, Style NT, Grade 12K
(Old designation:	Production Location:		
Tenax-E HTS 5631 800tex f12000 t0)	Toho Tenax Europe GmbH		
000102 112000 10)	Industriepark Oberbruch		
	Boos-Fremery-Straße		
	52525 Heinsberg		
	Germany		
	Line Number: 3 Only		