



Toray Industries, Inc.  
 1-1, Nihonbashi-muromachi 2-chome  
 Chuo-ku, Tokyo 103-8666, JAPAN

Ehime Plant  
 1515, Tsutsui, Masaki-cho, Iyo-gun  
 Ehime, 791-3193, JAPAN

E-TC-10-0670

**CERTIFICATE**  
 TORAYCA CARBON FIBER

CUSTOMER : \_\_\_\_\_

---

TORAY REFERENCE NO. : 584-006W

---

CUSTOMER ORDER NO. : \_\_\_\_\_

---

PRODUCT : T700SC -12000-50C

---

TWIST : NO TWIST

---

SIZING : TYPE"5"

---

DATE OF ISSUE : 03-FEB-2010

---

THE AVERAGE PROPERTIES OF THE LOTS ARE LISTED BELOW.

LOT NO.	TENSILE STRENGTH MPa [kgf/mm <sup>2</sup> ]	TENSILE MODULUS GPa [10 <sup>3</sup> kgf/mm <sup>2</sup> ]	ELONGATION %	DENSITY 10 <sup>3</sup> kg/m <sup>3</sup>	YIELD tex	SIZE AMOUNT %
J8209K3	5180 [ 528]	235 [24. 0]	2. 2	1. 80	796	1. 0

QUANTITY : 1, 488. 00 Kg

---

CASE NO. : 19K5320-5321 19K5371-5430

---

LOT NO.	QUANTITY (Kg)	DATE OF MANUFACTURE
J8209K3	1, 488. 00	Oct. ' 09

*for S. Ishimori*  
 \_\_\_\_\_  
 HIROSHI IMUTA  
 Manager, Quality Assurance  
 Ehime Plant, Toray