



DuPont International Operations Sarl.
Chemin du Pavillon 2
P.O. Box 50
CH-1218 Le Grand Saconnex
Geneva
Switzerland

PRODUCT SPECIFICATION

Product: **KEVLAR® 49 brand yarn** *Merge:* **1U513**
Type: **968** *Decitex:* **1270**
Date Effective: **1st November 2012** *Unit Package:* **Tube**

<i>PROPERTY</i>	<i>BOBBIN SPECIFICATION</i>			<i>TEST METHOD</i>	
	<u>Nominal</u>	<u>Low</u>	<u>High</u>	<u>DuPont</u>	<u>ASTM</u>
Linear Density, [dtex]	1267	1238	1296	TM0760	D1907 ⁽¹⁾
Tenacity, [cN/tex]	216	200	232	TM1070	D7269 ⁽²⁾
Breaking Strength, [N]	274	250	298	TM1070	D7269 ⁽²⁾
Elongation at Break, [%]	2.47	2.17	2.77	TM1070	D7269 ⁽²⁾
Modulus, [cN/tex]	8250	7367	9133	TM1070	D7269 ⁽²⁾
Finish on Yarn, [%]	0.9	0.6	1.2	TM0664	D2257 ⁽³⁾
Moisture Regain, [%] (Commercial)	3.5				D1909

G. O'Donnell
Quality Assurance

- (1) DuPont uses option 5
- (2) DuPont adds twist, using 1.1 twist multiplier, before testing
- (3) DuPont uses analysis by Nuclear Magnetic Resonance
Substitute ASTM method is soxhlet solvent extraction

Specification properties are controlled to a nominal value and released within specifications. The customer is responsible for determining that Kevlar® is suitable for the intended application. The range represents the controlled minimum and maximum values within which the product is released. Specification properties are based on averages with a statistically determined sample frequency.

DuPont (U.K.) Industrial Ltd at Maydown is certified to ISO 9001 and ISO 14001 Management System Standards.

DuPont™ and Kevlar® are registered trademarks of E.I. du Pont de Nemours and Company.

an aramid product