

# Product Information

## Panacea PAN Fibers

### Product Description:

Panacea PAN Fibers are very fine, dry polyacrylonitrile fibers with a high resistance to chemicals, physical stress and UV radiation. Available in a variety of cut lengths (mm): 1.5, 2.0, 3.2, 4.0, 6.4, 8.0 and 12.0.

### Applications:

Panacea PAN Fibers have been specifically developed and optimized as a fiber in asphalt to increase pavement lifespan, tensile strength and flexural modulus. It can be used in building mortars and concrete, including oil & gas well cementing systems.

### Chemical Formula:

$(C_3H_3N)_n$

### CAS No. :

25014-41-9

### Specifications:

Parameters (units)	Specifications
Appearance	Bright, yellow-gold colored fibers
Specific density, approx. (g/cm <sup>3</sup> )	1.18
Water content (%)	1 ± 1
Polyacrylonitrile content (%)	> 97
Fiber count (dtex)	0.8 - 1.5
Nominal diameter (µm)	7.1 - 12.7
Tenacity (N/mm <sup>2</sup> )	> 721
Elongation at break (%)	< 13
Elastic modulus (N/mm <sup>2</sup> )	> 16774

Bisley International LLC  
1790 Hughes Landing Boulevard Suite 400  
The Woodlands 77380 TX USA  
Phone number: +1 (844) 424 7539  
Emergency telephone number: +1 855 237 5573

[bisleyinternational.com](http://bisleyinternational.com)

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## Packaging:

Material is available in 20 kg kraft paper bags. Further packaging options may be available upon enquiry.

## Storage:

Product should be stored in a dry place away from direct sunlight in sealed, original packaging. This product has a shelf-life of 10 years from the date of manufacture.

## Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purpose only. Customers are responsible for testing and conforming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

### Global Headquarters

#### Sydney, Australia

Bisley & Company  
Level 12, Tower B Citadel Towers  
799 Pacific Highway  
Chatswood NSW 2067 Australia  
Phone: +61 2 8905 4200  
Fax: +61 2 8905 4238  
Email: [australia@bisley.biz](mailto:australia@bisley.biz)

### Jakarta, Indonesia

PT Bisindo Kencana  
Puri Indah  
Financial Tower  
9<sup>th</sup> Floor, Unit 09 Jalan Puri  
Lingkar Dalam Blok  
T8 Jakarta Barat 11610  
Indonesia  
Phone: +6221 530 7287

### Bangkok, Thailand

Bisley Asia (Thailand) Co. Ltd.  
Mahatun Plaza Building 18th Floor  
888/186 Ploenchit Road  
Lumpini, Pathumwan  
Bangkok 10330  
Thailand  
Phone: +66 0 2689 6396  
Fax: +66 0 2689 6394

### Kuala Lumpur, Malaysia

Bisley Asia (M) Sdn Bhd  
Co. Reg. No.:199201002123  
(233627-U)  
Suite 20-01 & 20-02B,  
Level 20, The Pinnacle,  
Persiaran Lagoon, 47500  
Bandar Sunway, Subang Jaya Selangor,  
Malaysia  
Tel: +603-56244287/4289  
Fax: +603-56244201

### Dubai, United Arab Emirates

Bisley Chemicals Trading LLC  
1802 B2B Office Tower  
Business Bay  
PO Box 9298  
Dubai United Arab Emirates  
Phone: +971 4 3310088  
+971 4 3310111  
Fax: +971 4 3310099

### USA and Canada

Bisley International LLC  
1790 Hughes Landing Boulevard  
Suite 400  
The Woodlands 77380 TX USA  
Phone: +1 (844) 424 7539  
Emergency telephone number:  
+1 855 237 5573  
Email: [international@bisley.biz](mailto:international@bisley.biz)

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1790 Hughes Landing Boulevard Suite 400  
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