



# SPECTRA<sup>®</sup> S1000 FIBER

For Industrial Applications



# STRENGTH, PERFORMANCE AND DURABILITY BUILT INTO EVERY FIBER

Introducing Spectra® S1000 fiber, produced to Solstice's stringent standards. The fiber is tested and proven to deliver superior quality and uncompromised performance.

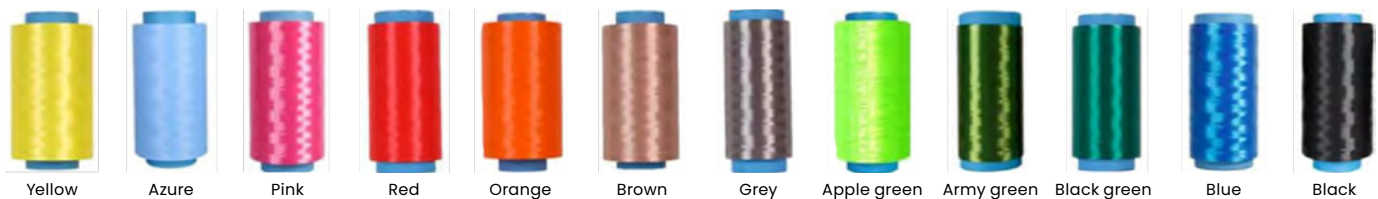
If you are looking for strong, lightweight and durable fiber for your industrial applications, contact us to explore the Spectra® S1000 offering.

Let us support your innovation and profitability goals by upgrading your HMPE fiber supply.



Industrial SPECTRA S1000 Product Line											
Spectra Fiber	Weight/ Unit Length (denier)	Weight/ Unit Length (dtex)	Ultimate Tensile (g/den)	Ultimate Tensile (Gpa)	Modulus (g/den)	Modulus (Gpa)	Elongation (%)	Breaking Strength (lbs.)	Density (g/cc) / (lbs./in³)	Filament Tow	Filament (dpf)
<b>Fine denier series</b>											
SPECTRA® 20D	20	22	42	3.6	1450	124.0	3.8	1.9	.97/0.035	10	2.0
SPECTRA® 30D	30	33	43	3.7	1450	124.0	3.8	2.8	.97/0.035	15	2.0
SPECTRA® 40D	40	44	41	3.5	1400	119.7	4.0	3.6	.97/0.035	20	2.0
SPECTRA® 50D	50	56	42	3.6	1400	119.7	4.0	4.6	.97/0.035	20	2.5
SPECTRA® 75D	75	83	41	3.5	1400	119.7	4.0	6.8	.97/0.035	30	2.5
SPECTRA® 100D	100	111	41	3.5	1350	115.4	4.0	9.0	.97/0.035	40	2.5
SPECTRA® 125D	125	139	40	3.4	1350	115.4	4.0	11.0	.97/0.035	60	2.1
SPECTRA® 150D	150	167	40	3.4	1350	115.4	4.0	13.2	.97/0.035	60	2.5
SPECTRA® 200D	200	222	39	3.3	1300	111.2	4.0	17.2	.97/0.035	80	2.5
SPECTRA® 215D	215	239	40	3.4	1200	102.6	3.3	19.0	.97/0.035	80	2.7
SPECTRA® 300D	300	333	36	3.1	1200	102.6	4.1	23.8	.97/0.035	120	2.5
SPECTRA® 375D	375	417	40	3.4	1250	106.9	3.5	33.1	.97/0.035	160	2.3
SPECTRA® 400D	400	444	36	3.1	1150	98.3	4.1	31.7	.97/0.035	160	2.5
<b>Heavy denier series</b>											
SPECTRA® 650D	650	722	36	3.1	1175	100.5	3.5	51.6	.97/0.035	210	3.1
SPECTRA® 800D	800	889	36	3.1	1175	100.5	3.5	63.5	.97/0.035	240	3.3
SPECTRA® 1200D	1200	1333	35	3.0	1150	98.3	3.0	92.6	.97/0.035	360	3.3
SPECTRA® 1300D	1300	1444	36	3.1	1220	104.3	3.5	103.2	.97/0.035	360	3.6
SPECTRA® 1600D	1600	1778	37	3.2	1200	102.6	3.5	130.5	.97/0.035	480	3.3
SPECTRA® 2400D	2400	2667	36	3.1	1050	89.8	3.5	190.5	.97/0.035	720	3.3
SPECTRA® 4800D	4800	5333	32	2.7	1050	89.8	3.5	338.6	.97/0.035	1440	3.3
SPECTRA® 5600D	5600	6222	32	2.7	1000	85.5	3.5	395.0	.97/0.035	1680	3.3
<b>Low creep fiber</b>											
SPECTRA® 1600D Low Creep	1600	1778	33	2.8	1100	94.1	3.5	116.4	.97/0.035	480	3.3
<b>High CBOS fiber</b>											
SPECTRA® 1600D HC	1600	1778	40	3.4	1500	128.3	3.3	141.1	.97/0.035	360	4.4

## COLOR FIBER



## SPECTRA® S1000 FOR PERFORMANCE APPLICATIONS

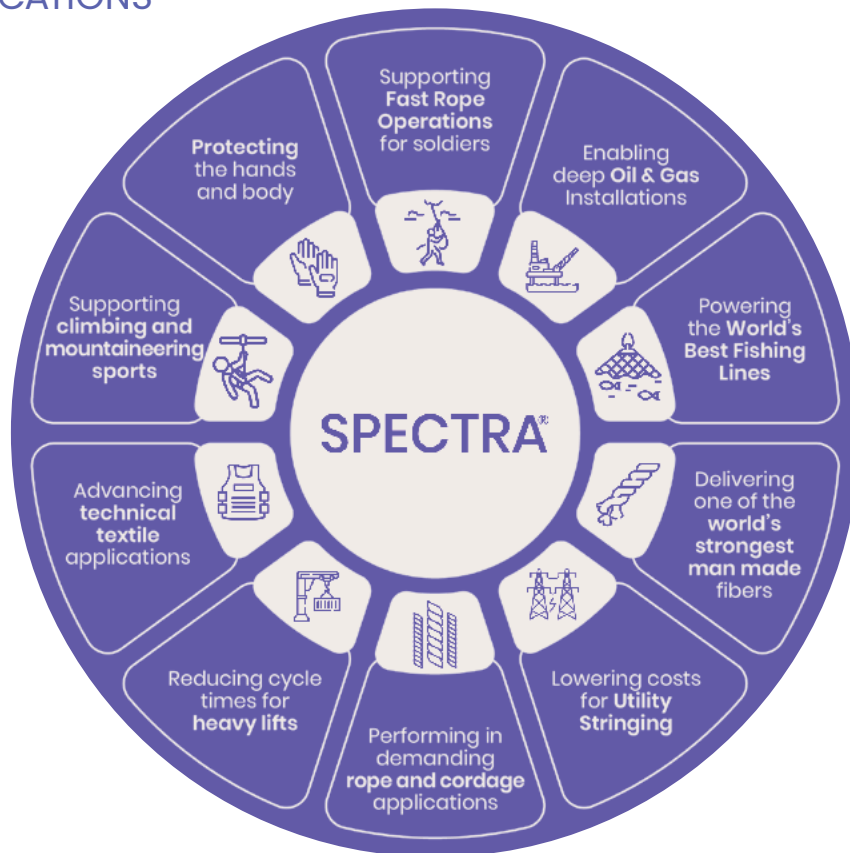
The inherent advantages of Spectra® fibers – such as high strength-to-weight ratios, durability, and overall versatility – make this fiber ideal for use in a wide range of demanding rope and cordage applications including:

- Helicopter lift lines
- Off-road winch cables
- Sailing ropes
- Rigging
- Heavy lifting
- Marine mooring and towing
- Seismic array lines
- Sensor cables
- Divers' umbilical chafe protection
- ROV tethers
- Deepwater placement and recovery
- Space tethers
- Emergency towing kits
- Theatrical rigging and ropes
- Parachute cords and high-altitude balloons
- Safety lines

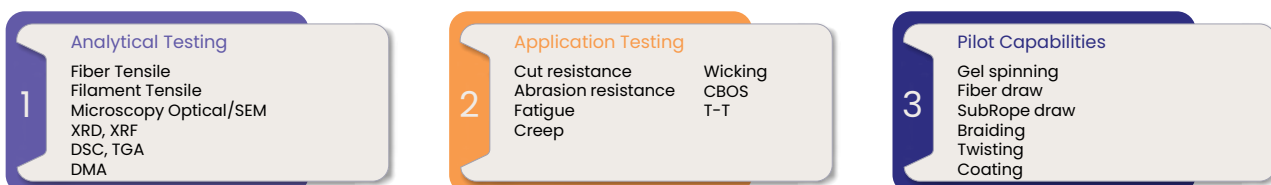
### This product offering includes:

- Historic Spectra® quality & performance
- Complete range of 20d - 5600d offerings
- Competitive pricing
- Unconstrained supply through partnerships
- Global inventory – Asia, Europe, & US
- Custom twisting, color, & finish capabilities
- OCIMF MEG4 certification on select fibers
- Global R&D expertise
- Solstice application support
- Ongoing new product development
- Advanced performance fiber offerings including low creep and High CBOS

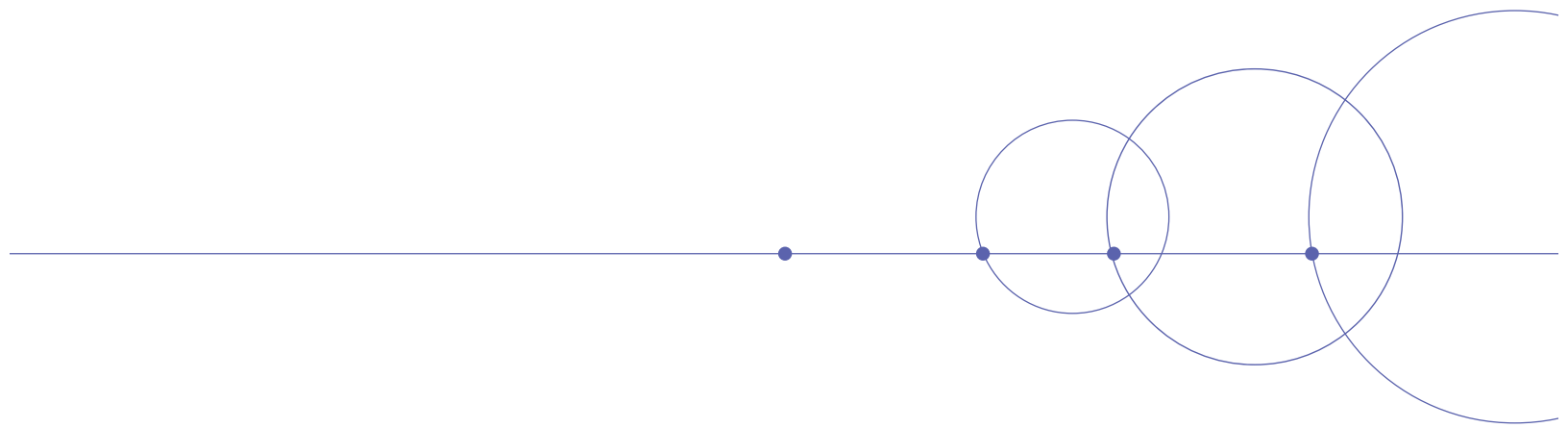
## SPECTRA APPLICATIONS



## INDUSTRIAL APPLICATION SUPPORT AND DEVELOPMENT



If you are looking for strong, lightweight, and durable fiber for your applications, contact us to explore Spectra® S1000.



**For More Information Visit**  
[https://www.solstice.com/us/en/  
applications/spectra-industrial](https://www.solstice.com/us/en/applications/spectra-industrial)

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