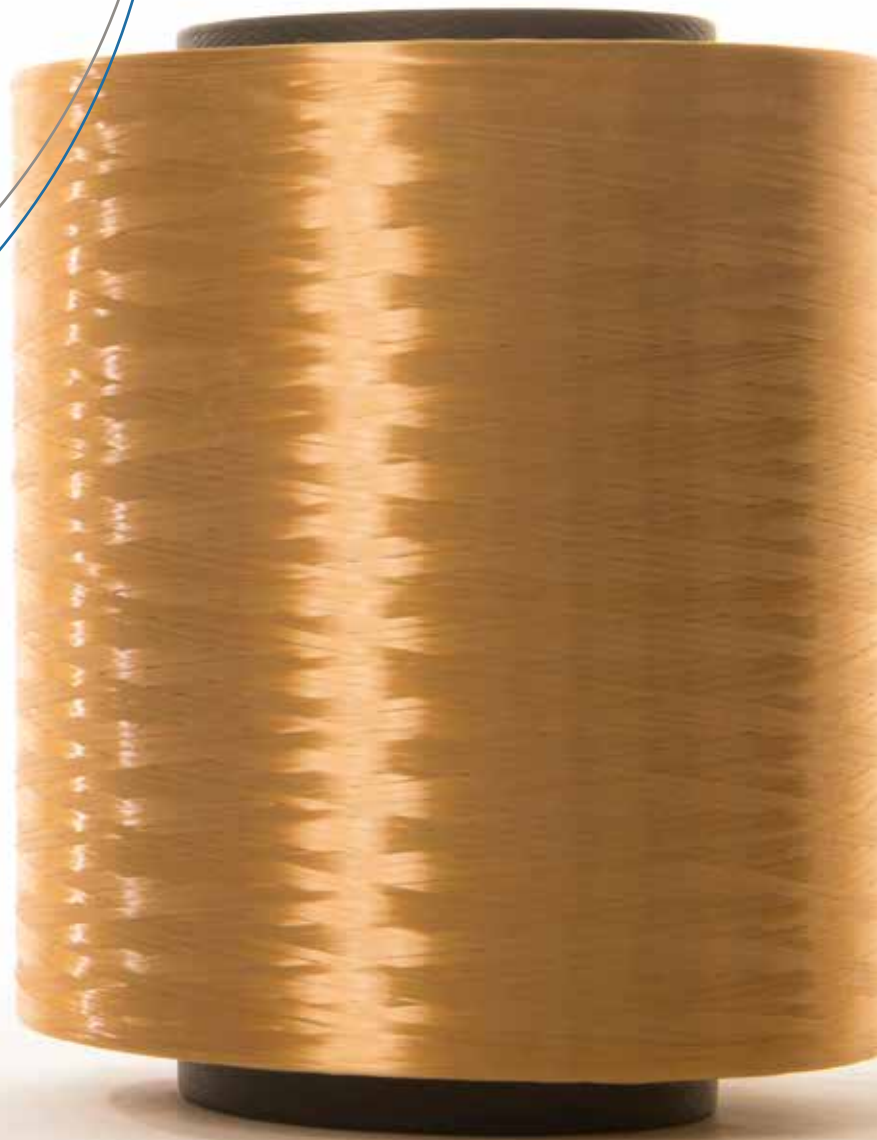


ZYLON®

Product
Overview





Zylon®

PBO (Poly [p-phenylene-2, 6-benzobisoxazole]) is a rigid-rod lyotropic liquid crystal polymer developed by Japan-based Toyobo under the trade name Zylon®. PBO is a gold fiber with an initial modulus and fiber strength that is significantly higher than other high modulus yarns, including aramids. Zylon® almost doubles p-aramids' tensile strength and modulus. Its unique properties compare to very few other fibers, which makes it a valuable product in the market.

Type	Titer dtex	Filaments	Tenacity			Modulus			Elongation at break %
			cN/dtex	g/den	GPa	cN/dtex	g/den	GPa	
AS278	278	164	37	41.9	5,8	1150	1299,5	180	3.5
AS555	555	326	37	41.9	5,8	1150	1299,5	180	3.5
AS1110	1110	653	37	41.9	5,8	1150	1299,5	180	3.5
AS1670	1670	982	37	41.9	5,8	1150	1299,5	180	3.5
HM273	273	161	37	41.9	5,8	1720	1943,6	270	2.5
HM545	545	321	37	41.9	5,8	1720	1943,6	270	2.5
HM1090	1090	641	37	41.9	5,8	1720	1943,6	270	2.5
HM1640	1640	965	37	41.9	5,8	1720	1943,6	270	2.5
HM3270	3270	1924	37	41.9	5,8	1720	1943,6	270	2.5

EuroFibers is the distribution and innovation partner of world's largest producers of High Performance Fibers. With our fiber enhancing services and state-of-the-art coating technology, we help our customers to improve performance and reduce system costs.

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