

FiberXL

smart
performance
fibers

UHMWPE FIBER

 **Dyneema®**

Product data sheet



Dyneema®

DSM is the inventor and manufacturer of Ultra High Molecular Weight PolyEthylene (UHMwPE) fiber branded as Dyneema®, the world's strongest fiber™. Dyneema® offers maximum strength combined with minimum weight. It is up to 15 times stronger than quality steel and up to 40 percent stronger than aramid fibers, both on weight for weight basis. Dyneema® fiber floats on water and is extremely durable and resistant to moisture, UV light and chemicals. Dyneema® is used in many different applications where the combination of high strength and lightweight are required, such as Personal Protective Equipment, ballistic vests, cut resistant gloves, sportswear, ropes, slings and fishing line

Type	Titer dtex	Filaments	Tenacity			Modulus			Elongation at break %
			cN/dtex	g/den	GPa	cN/dtex	g/den	GPa	
BK75	1760	780	35,1	39,8	3,4	1160	1314	113	3,5
DM20*	1760	780	32,0	36,3	3,1	960	1088	94	3,6
DMX20 XBO	1760	780	28,1	32,0	2,6	-	-	-	3,6
SK60	440	390	30,5	34,6	3,0	1060	1200	103	3,5
SK60	880	780	31,4	35,6	3,1	1070	1212	104	3,9
SK62	440	195	31,0	35,1	3,0	1070	1212	104	3,5
SK62	1760	780	29,0	32,8	2,8	940	1065	32	3,5
SK62	2640	780	28,6	32,4	2,8	875	989	86	3,5
SK65	110	96	33,9	38,4	3,3	1090	1235	106	3,5
SK65	165	140	33,4	37,8	3,3	1065	1206	103	3,5
SK65	220	192	33,0	37,4	3,2	1090	1234	106	3,5
SK75	110	50	40,0	45,0	3,9	1370	1552	132	3,5
SK75	220	100	39,5	44,7	3,9	1375	1558	134	3,5
SK75	440	195	37,4	42,4	3,6	1325	1501	129	3,5
SK75	1760	780	35,1	39,8	3,4	1160	1314	113	3,5
SK75	2640	780	33,5	37,9	3,3	1118	1267	109	3,5
SK76	1500	780	36,5	41,3	3,5	1340	1518	130	3,5
SK78	1760	780	35,1	39,8	3,4	1160	1314	113	3,5
SK78 XBO*	1760	780	29,0	33,0	2,8	-	-	-	3,5
SK78	2640	780	33,5	37,9	3,3	1118	1267	109	3,5
SK99*	880	880	42,5	48,1	4,1	1590	1801	155	3,5
3G12*	220	65	16,5	18,7	1,6	-	-	-	3,5
3G12*	440	130	16,8	19,0	1,6	-	-	-	3,5
3G12*	725	195	16,6	18,8	1,6	-	-	-	3,5
3GX12*	1760	520	16,1	18,2	1,6	-	-	-	3,5

* These products are only available under a license from DSM Protective Materials

FibrXL 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.



FibrXL gives no warranties and assumes no liability in respect of application, processing, use or reliance on. Any information provided by FibrXL does not release the user from the obligation to perform its own analysis to determine the suitability of the product for the intended process or application.

FIBRXL PERFORMANCE

Dyneema® is a registered trademark of DSM.

Wethouder Sangersstraat 56
6191 NA Beek, The Netherlands
Phone +31 43 30 40 015

4590 Vawter Ave.
Richmond, VA 23222, USA
Phone +1 804 329-0491

performance@fibrxl.com

fibrxl.com