

Typical Characteristics of Kynol® products

Kynol® Fibers

	Article No.	Single fiber		Fiber dia.	Tenacity	Fiber length	Elongation	Weight	Typical packing
		dtex	Denier	(μ m)	(mN/D)	(mm)	(%)	(g/m)	
Textile Fibers	KF-0251	2.2	2	14	12.8	51	30	—	40 kg/bale
	KF-0270	2.2	2	14	12.8	70	30	—	40 kg/bale
	KF-0351	3.3	3	18	12.8	51	30	—	40 kg/bale
	KF-0370	3.3	3	18	12.8	70	30	—	40 kg/bale
	KF-0570	5.6	5	23	9.8	70	20	—	40 kg/bale
Chopped Fibers	KF-0206T	2.2	2	14	12.8	6	—	—	25 kg/carton
Milled Fibers	KF-02BT	2.2	2	14	12.8	0.2	—	—	25 kg/carton
	KF-05BT	5.6	5	23	9.8	0.3	—	—	25 kg/carton
	KF-10BT	11	10	33	6.9	0.3	—	—	45 kg/carton
Tow	KT-2800	2.2	2	14	—	—	—	100	25 kg/carton

For 2denier fibers, 51mm and 70mm fibers are also available with high-crimp (HCRC)

Milled fiber; length shown is average length.

Kynol® Spun Yarns

Article No.	Kynol content	Yarn count			Strength	Elongation	Typical packing
	(%)	Tex	Ne	Nm	(cN)	(%)	
KY-02	100	29/3	20/3	3/34	>590	10	1.56 kg cheese × 16/carton
KY-04	100	29/1	20/1	1/34	>170	10	2.08 kg cone × 12/carton
KY-15E	100	476/2	1.2/2	2/2.1	>6800	20	2.5 kg paper tube × 8/carton
KY-16	100	476/3	1.2/3	3/2.1	>9800	20	0.6 kg skein × 42/carton
KY-17	100	476/1	1.2/1	1/2.1	>3000	40	2.5 kg paper tube × 9/carton
KY-22	70 (Conex30)	20/2	30/2	2/50	>390	10	1.0 kg cone × 24/carton
KY-71	90 (Glass10)	435/3	1.35/3	3/2.3	>6170	5	3.0 kg cheese × 6/carton
KY-72	92 (Glass8)	167/2	3.5/2	2/6	>2350	5	2.0 kg cheese × 8/carton

Typical Characteristics of Kynol® products

Kynol® fabrics

Article No.	Construction	Yarn used	Kynol content	Weight	Thickness	Strength		Typical size / Roll	
						Warp	Filling	width	length
			(%)	(g/m ²)	(mm)	(N/25mm)		(cm)	(m)
507	Plain	KY-02	100	190	0.6	190	190	114	58
509	8-leaf satin	KY-02	100	300	1.0	400	380	100	75
5092	Basket	KY-02	100	300	0.8	390	370	140	50
1090	Plain	KY-22	70	145	0.4	230	200	152	50
1300	2/1 Twill	KY-21	80	260	0.6	450	300	100	50
185	Herringbone	KY-25	70	380	1.0	550	400	110	50
FRC-1	Plain	KY-72	92	510	2.0	480	200	100	30

Kynol® Needle felts

Article No.	Kynol content	Weight	Thickness	Strength		Typical size / Roll	
				Machine	Cross	width	length
	(%)	(g/m ²)	(mm)	(N/50mm)		(cm)	(m)
S-157	100	1500	1.4	>30	>50	120	50
S-211	100	300	2.4	>80	>100	125	50
S-303	100	300	2.2	>70	>100	99	75
S-305	100	320	2.4	>40	>50	125	50
S-1040	92	300	3.0	>60	>100	100	50

Kynol® Aluminized Fabrics

Article No.	Kynol content	Weight	Thickness	Composition		Strength		Typical size / Roll	
				Surface	Base fabric	Warp	Filling	width	length
	(%)	(g/m ²)	(mm)			(N/25mm)		(cm)	(m)
ALK-2	88	590	1.2	Al Coating	FRC-1	>800	>400	95	30
ALK-5	88	430	0.7	Al Coating	#185	>1200	>700	95	50

Typical Characteristics of Kynol[®] Carbon Fiber Products

Kynol[®] Carbon Fabric

Article No.	Construction	Weight	Thickness	Strength		Typical size / Roll	
				Warp	Filling	width	Length
		(g/m ²)	(mm)	(N/50mm)	(N/50mm)	(cm)	(m)
CC-509	8-leaf satin	275	0.8	240	220	80	55

Typical Characteristics of Kynol[®] Activated Carbon Fiber Products

Kynol[®] Activated Carbon Fibers

Article No.	Iodine adsorption	Benzene adsorption	Specific surface area	Typical packing	
				Dry wt.	*Wet wt.
	(mg/g)	(Wt%)	(m ² /g)	(kg/ carton)	
ACF-1603-10	> 800	>15	> 800	5.0	7.7
ACF-1603-15	> 1300	>35	> 1300	8.9	16.0
ACF-1603-20	> 1800	>50	> 1800	7.8	16.0
ACF-1603-25	> 2000	>65	> 2000	3.3-4.7	7.5-9.8

*AC Fibers are moistened. Contains 35-50% water. Sales unit are based on dry weight.

Kynol[®] Activated Carbon Fabrics

Article No.	Weight	Thickness	Specific surface area	Typical size/ Roll	
				width	Length
	(g/m ²)	(mm)	(m ² /g)	(cm)	(m)
ACC-507-10	145	0.60	> 800	91	40
ACC-507-15	120	0.50	> 1300	85	40
ACC-507-20	90	0.43	> 1800	78	40
ACC-5092-10	200	0.65	> 800	115	35
ACC-5092-15	170	0.60	> 1300	110	35
ACC-5092-20	135	0.55	> 1800	105	35

Other adsorbed characteristics are same as ACF-10,-15 and -20

Kynol[®] Activated Carbon Felts

Article No.	Weight	Thickness	Specific surface area	Typical size/ Roll	
				width	Length
	(g/m ²)	(mm)	(m ² /g)	(cm)	(m)
ACN-157-10	110	1.2	> 800	95	35
ACN-157-15	90	0.9	> 1300	90	35
ACN-157-20	70	0.8	> 1800	85	35
ACN-211-10	200	2.0	> 800	100	35
ACN-211-15	160	1.8	> 1300	97	35
ACN-211-20	140	1.5	> 1800	94	35
ACN-305-10	200	2.0	> 800	100	35
ACN-305-15	160	1.8	> 1300	97	35
ACN-305-20	140	1.5	> 1800	94	35

Other adsorbed characteristics are same as ACF-10,-15 and -20