

GKD USA Inc.
 825 Chesapeake Drive
 Cambridge MD 21613
 410.221.0542 phone
 410.221.0544 fax
 800.453.8616
www.gkdusa.com

WEAVEinMotion
 transport processing solution

Duofil - Our successful Woven Process Belt combining synthetics and metal

Duofil is GKD’s advancement of Metal Woven Process Belts in that this construction utilizes both metal and synthetics. Weft wires are strong stainless steel wires or cables and the warp wires are made from Polyester (up to 130° C), PPS (up to 180° C) or PEEK (up to 240° C) depending on the working temperature and process conditions.

Duofil has the advantage of better fatigue resistance when wrapping around small diameter rollers even at high speeds. Duofil belts are woven with bronze wires on the outer edges to ground the belts as they come in contact with metal in the conveyor such as end rolls, supports or guides.

DuoFil offers the release qualities of synthetic belts without the typically associated static problems.

Our many years of experience have made us a leader in seaming technologies and special edge-securing techniques and we can offer our Duofil belts in continuous lengths of 100 meters or more. Depending on the thickness of the weft wires, Duofil belts have selvaged edges or are secured with synthetic coatings.

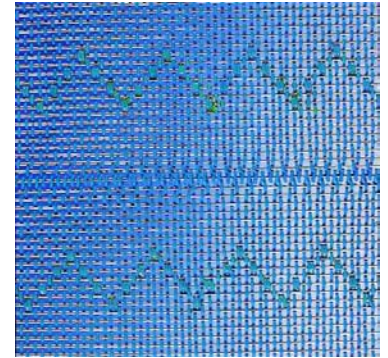


Illustration: DUOFIL with pyramid seam

Standard types with technical data

Mesh Count (Warp) Per Inch	Mesh Count (Weft) Per Inch	Wire Diameters Inches	Material	Weave Pattern	Mesh Opening mm	Open Area %	Air Permeability l/m2/s 200 Pa	CFM 127 Pa	Article Number
9.7	9.7	.028/.031	PEEK / AISI 316	plain		52.5 %	13900		40860200
10.2	14	.026/.026	PES / AISI 316	plain	1.85x1.00	44%	12800		40860250
10.2	15.2	.028/.026	PEEK / AISI 316	plain		44%			40860265
10.2	14.7	.028/.022	PEEK / AISI 316	Plain		46.8 %	13400		40860260
10.2	14.7	.035x.017/ .021	PEEK / AISI 316	plain	1.2x2.25	48%			40860256
12.7	12.7	.026/.026	PES / AISI 316	plain	1.00x1.00	46%	12700		40860285
15	2.0	.026/.026	PES / AISI 316	plain	1.01x1.35	41%			40860400
15	14.7	.026/.026	PES / AISI 316	plain	1.02x1.02	36%	11400	1770	40860510
20.3	17.8	.020/.014	PES / AISI 316	plain		45%			40860805
20.3	17.8	.028/.020	PES / AISI 316	plain	0.55x0.93	23%	8000	1250	40860815
20.3	20.3	.028/.016	PES / AISI 316	plain	0.55x0.85	30%	7400	1120	40860750
30.5	30.5	.016/.012	PES / AISI 316	plain	500µ			1165	40862000
47	31.8	.014/.012	PES / AISI 316	plain	250µ		5500	860	40862670
56.4	33	.012/.011	PES / AISI 316	plain	0.15x0.49	21%	5250	773	40862720
60.2	33	.012/.012	PES / AISI 316	4/1	350µ		5150	800	16803000
65	65	.0067	PES / AISI 316	plain	220 µ	32%			10801000
70	25.4	.014/.020	PES / AISI 316-PA	2/1	300µ		3041	472	40866510
72.6	56.4	.0079/.005	PES / AISI 316L	plain	0.15x0.20				40866550