

Technical Datasheet Specialty Fabrics Woven Fabrics - for MRG (mechanical rubber goods)

Markets	Applications	Materials		Tensile Strength		Weight g/m ²	Thickness mm	Elongation at break	
		Raw Materials	dtex	Warp N/mm	Weft N/mm			Warp %	Weft %
Mobility & Industry	Brake diaphragms	Nomex spun, Polyester, Polyamid	280 - 2200	24 - 145	20 - 134	130 - 510	0,3 - 0,9	21,0 - 45,5	26,5 - 51,0
	Hoses & offshore pipes	Aramid, Polyester, Polyamid, PA 6.6 text.	220 - 4700	58 - 254	20 - 274	153 - 942	0,4 - 2,0	9,0 - 36,0	6,0 - 146,0
	Power transmission belts - stretch fabrics for timing belts (warp and weft direction)	Polyamid, PA 6.6 text.	220 - 940	30-108	20 - 95	200 - 500	0,7 - 1,5	25,0-120,0	22,0 - 155,0
	Folding bellows for gangways	Aramid, Polyester	1100 - 1680	70 - 208	72 - 216	233 - 276	0,4 - 0,5	7,0 - 22,0	7,0 - 23,0
Construction	Handrails	Cotton, Polyester, Polyester spun, Polyamid	940 - 4000	58 - 218	24 - 90	252 - 781	0,5 - 1,3	15,5 - 40,5	8,0 - 40,5
	Railway crossings	Polyester	4400	118	98	440	1,4	21,5	32,5
Defense & Protection	Rubber tracks	Polyester, Polyamid	1880 - 7520	118 - 685	75 - 328	450 - 2223	0,7 - 3,0	19,0 - 29,0	31,5 - 40,0
	Lifting bags	Aramid, Polyamid, Aramid + Polyamid	940 - 12720	25 - 376	110 - 344	270 - 520	0,5 - 1,6	5,0 - 23,5	7,0 - 14,5
TECHNICAL FEASIBILITIES		Finishing heat set, tumbling RFL and MSA (RF-free) to enable adhesion to rubber compounds like CR, EPDM, NR, NBR, SBR		Weaves plain, twill, leno, satin, oxford, panamá, straight warp, double weave, single / double weft Widths up to 2,95 m with finishing up to 3,35 m in greige		Cutting thermal, with knife, ultrasonic Edges feather, ultrasonic, thermal Twisting dtex 167x1 - dtex 1100x22			