

TECHNICAL DATA SHEET

CABLE TIE – POLYAMIDE 6.6 standard

Description: For bundling and fixing cables, tubes and conduits. Our cable ties are made exclusively of polyamide 6.6 so that they do not cause issues of material separation during recycling and do not cause interferences in electronic equipments.

Humidity absorption: 2,7% (50% relative humidity)

The tightening temperature is: -10°C to +60°C.

The operating temperature is: -40°C to +85°C.

Max admissible point: +110°C for a short time.

Melting temperature: +256°C.

Flammability rating: UL 94 class V2.

Limit Oxygen Index (LOI): 27%

Dielectric strength: 50.000 volts/mm

Standard colours:

Black and Natural

Specifications:



UL E86244

DNV E-7012

G.L. 99 332-97 HH

SAE (MIL) AS33671

R.I.N.A. ELE10502CS

EN 50146

CE 73/23/CEE and 93/68/CEE

EU 2002/95/EG, ROHS-directive

DIMENSIONS

Order code Natural	Order code Black	Width mm	Length mm	Min. bundle diam. (mm)	Max. bundle diam. (mm)	Minimum tensile strength	
						Kg	N
421008	420001	2,2	75	0,75	15	6,12	60
421015	420018	2,5	98	1	21	8,16	80
421022	420025	2,5	135	1	32	8,16	80
421039	420032	2,6	160	1	40	8,16	80
421046	420049	2,6	200	1	52	8,16	80
421206	420209	3,5	140	2	32	18,36	180
421213	420216	3,5	200	2	50	18,36	180
421220	420223	3,5	290	2	80	18,36	180
421237	420230	3,5	370	2	103	18,36	180
421404	420407	4,5	120	2,5	24	22,44	220
421411	420414	4,5	160	2,5	40	22,44	220
421428	420421	4,8	178	2	45	22,44	220
421435	420438	4,5	200	3	50	22,44	220
421442	420445	4,8	250	3	68	22,44	220
421459	420452	4,5	290	3,5	78	22,44	220
421466	420469	4,5	360	3,5	100	22,44	220
421473	420476	4,8	390	3,5	106	22,44	220
421480	420483	4,5	430	3,5	115	22,44	220
421633	420636	7,8	240	3,5	63	55,08	540
421640	420643	7,8	300	4	80	55,08	540
421657	420650	7,5	365	8	100	55,08	540
421664	420667	7,5	450	35	130	55,08	540
421671	420674	7,5	540	35	158	55,08	540
421688	420681	7,5	750	35	220	55,08	540
421695	420698	9,0	780	32	233	71,40	700
421800	420803	12,5	225	7,5	57	110	1080
421817	420810	12,5	500	30	143	110	1080
421824	420827	12,5	720	30	213	110	1080
421831	420834	12,5	850	40	255	110	1080
421848	420841	12,5	1000	40	302	110	1080

UV stability:

Black cable ties are added with carbon black. They have improved weather and UV radiation resistance and are better suitable for outdoor application. Test performed give for black cable ties a resistance till 150 hours QUV-B radiation following ISO 4892 norm. This can be compared to approx 3 years outdoor resistance on average exposition to South-European weather.

Handling:

All polymers including the polyamides used for this cable tie production are sensitive to UV radiation and moisture. We recommend outdoor storage of polyamide cable ties during the winter season.

Resistance to chemical agents:

Good resistance to chemicals, solvents, fuel and engine lubricants. Chemical agents as powders, liquids and gases can deteriorate the raw material.

Notes:

This information and data is believed to be accurate and reliable. Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of this date, Brady makes no representations as to the completeness or accuracy thereof. We place at your disposal the technical information necessary for the correct use of our products. As conditions and methods of use are beyond our control, that the person receiving the same will make their own determination as to the suitability for their purpose. We reserve the right to modify characteristics with the aim of improving the product and adapting it to the requirements of the market.