

Plastic Strapping

Four types for a wide range of applications



Signode plastic strapping is manufactured for use with hand tools and high-production power strapping machines. All types have controlled surface properties that minimize

tensioning effort, increase tension-transmission around corners and improve operating efficiency. All are split-resistant to increase reliability in tools and power equipment.

Specifications for all varieties of Signode plastic strapping along with general methods of application for each type are detailed in the following tables.



Contrax® strapping – polypropylene

Contrax polypropylene strapping is a good choice for light and medium-duty applications, including palletizing, unitizing, bundling, carton closure and reinforcement. It resists splitting and has a smooth, uniform surface so it performs reliably in power

strapping machines and hand tools.

Contrax strapping has “elastic memory” which absorbs shock and keeps strapping tight during handling and shipping.

Strap Name	Standard Color	Part Number	Strap Width		Average Strength *		Approximate Length per Coil		Approx. Coil Outside Dia.		Core Size Inside Dia.		Approximate Coil Width		Coil Weight lbs	Standard Package Coils/Pallet	Strapping Application Methods			
			mm	inch	lbs	N	feet	m	inch	mm	inch	mm	inch	mm						
Light Duty Contrax	LD 213	Clear	2X1602	6	1/4	145	640	21,000	5 793	16	406	4	102	6	152	26	30	ML Power Strapping Machines		
	LD 213	Yellow	2X1603																	
	LD 216	Clear	2X1604	6	1/4	200	890	16,500	5 030	16	406	4	102	6	152	25				
	LD 216	Yellow	2X1605																	
Heavy Duty Contrax	HD 719	Clear	2X1610	10.5	7/16	400	1 780	12,000	3 659	24	609	16	406	6	152	36	12	MOD-710 Power Strapping Machines, Pneumatic Tension-Weld Tools		
	HD 719	Black	2X1611																	
	HD 723	Clear	2X1612	10.5	7/16	500	2 220	9,000	2 744	24	609	16	406	6	152	34				
	HD 723	Black	2X1613																	
	HD 729	Black	2X1618	10.5	7/16	600	2 670	7,700	2 348	24	609	16	406	6	152	36				
	816	Black	010366	12	1/2	500	2 220	8,000	2 439	24	609	16	406	6	152	33				
818	Black	010385	12	1/2	600	2 670	7,000	2 134	24	609	16	406	6	152	35					
LB, SP Light Duty Contrax	LB 112	Clear	2X1844	5	3/16	100	445	30,000	9 146	16	406	7.8	200	7.8	198	28	24	LBX Power Strapping Machines		
	LB 112	Yellow	2X1870																	
	LB 212	Clear	2X1845	6	1/4	150	667	24,000	7 317	16	406	7.8	200	7.8	198	27				
	LB 212	Yellow	2X1848																	
	LB 113	Clear	2X1601	5	3/16	120	530	25,000	7 622	16	406	7.8	200	7.8	198	31			24	LB, SP & SureTyer Power Strapping Machines
	LB 113	Yellow	2X1709																	
SP 216	Clear	2X1606	6	1/4	200	890	18,000	5 488	16	406	7.8	200	7.8	198	28					
SP 216	Yellow	2X1607																		
HB, SP General Duty Contrax	HB 612	Clear	2X1738	9	3/8	225	1 000	16,000	4 878	16	406	7.8	200	7.8	198	29	24	HBX Power Strapping Machines		
	HB 612	Black	2X1727																	
	HB 812	Clear	2X1885	12	1/2	300	1 330	12,000	3 659	16	406	7.8	200	7.8	198	27				
	HB 812	Black	2X1886																	
	SP 616	Clear	2X1608	9	3/8	300	1 330	12,000	3 659	16	406	7.8	200	7.8	198	28			24	HB, SP & SureTyer Power Strapping Machines
	SP 616	Black	2X1609																	
	SP 719	Clear	2X1614	10.5	7/16	400	1 780	9,000	2 744	16	406	7.8	200	7.8	198	28				
	SP 719	Black	2X1615																	
SP 723	Clear	2X1616	10.5	7/16	500	2 220	7,500	2 287	16	406	7.8	200	7.8	198	27					
SP 723	Black	2X1617																		

* Strap break strengths are listed as averages. Always use American Society for Testing Materials (ASTM D-3950) minimum break strengths for package design/safety factor purposes. For proper strap selection, contact your Signode sales representative.



Empax™ strapping – polypropylene

Empax waffled strapping is designed to perform in hot-knife sealing machines that require embossed strapping. It is a good choice for many light and medium-duty applications. A variety of coil sizes are available for use in many power strapping machines.

Empax has “elastic memory” to keep straps tight, and features consistent width and gauge control to run smoothly in your strapping machine. It is an economical choice for many applications.

Strap Name	Part Number	Standard Color	Strap Width		Average Strength *		Approximate Length per Coil		Core Size Inside Dia.		Face Width		Approx. Coil Outside Dia.		Coil Weight lbs	Standard Package Coils/Pallet	Strapping Application Methods
			mm	inch	lbs	N	feet	m	inch	mm	inch	mm	inch	mm			
Empax	2X1230	White	6	1/4	200	890	18,000	5 490	8	203	8	203	16	406	28	24	Hot-knife sealing power machines that require embossed strapping
	2X1112		9	3/8	300	1 330	12,900	3 930	8	203	8	203	16	406	28		
	2X1113		9	3/8	300	1 330	12,900	3 930	9	229	8	203	17	432	28		
	2X1114		12	1/2	350	1 557	9,900	3 020	8	203	8	203	16	406	28		
	2X1115		12	1/2	350	1 557	9,900	3 020	9	229	8	203	17	432	28		

* Strap break strengths are listed as averages. Always use American Society for Testing Materials (ASTM D-3950) minimum break strengths for package design/safety factor purposes. For proper strap selection, contact your Signode sales representative.