


FENNER  **DUNLOP**
CONVEYOR BELTING

PLYLOK SUPREME®

 **PLYLOK**
GROUP PlylokSupreme™ — Member of the Plylok Group®

Tough fabric plies vulcanized together with premium rubber skims, creating superior adhesions

Application: Wide range of demanding markets with specific versions for mining,
grain handling, wood & power generation

Carcass: Heavy duty weave construction for better rip, tear and impact resistance

www.fennerdunlopamericas.com



PLYLOK SUPREME

Reliable, Consistent, Measurable & Sustainable Results

PlylokSupreme®, Fenner Dunlop's premium plied rubber belting, is what you need for heavy duty applications that you count on to run all day, everyday. The true workhorse in the belting industry, **PlylokSupreme®** is custom engineered for each application to ensure minimum downtime and maximum haulage.



APPLICATIONS



Plied belting that provides maximum performance and superior adhesion values for **heavy-duty applications**.

High impact and tear resistance, plus better fastener holding vs PlylokMaster and competitors.

Markets:

- Aggregates
- Wood & Paper
- Sand & Gravel
- Hard Rock Mining
- Steel & Foundries
- Power Generation
- Cement
- Coal & Prep Plants
- Bulk Terminals

CARCASS



Custom engineered for each application

Heavy duty weft for better rip, tear and impact resistance, as well as better mechanical fastener holding.

Available in these industry-specific designs:

- PlylokSupreme
- MineHaul Supreme
- LongHaul Supreme
- GrainSupreme
- WoodSupreme
- PowerSupreme

FEATURES & BENEFITS

- Low stretch
- Outstanding resistance to cutting, gouging and tearing
- Excellent load support and troughability
- Resistant to moisture and mildew
- Excellent adhesion between the covers and plies
- Available in standard and custom carcass constructions
- 100% made in Fenner Dunlop's North American facilities



PLYLOK SUPREME® SPECIFICATION CHART — IMPERIAL

GENERAL DATA																																								
Fabric Ply	PSR 80					PSR 110					PSR 125					PSR 150					PSR 200					PSR 250					PSR 300					PSR 500				
Carcass Style	2-160	2-220	3-330	4-440	5-550	2-250	3-375	4-500	2-300	3-450	4-600	5-750	2-400	3-600	4-800	5-1000	6-1200	2-500	3-750	4-1000	5-1250	2-600	3-900	4-1200	5-1500	3-1500	4-2000													
Number of Plies	2	2	3	4	5	2	3	4	2	3	4	5	2	3	4	5	6	2	3	4	5	2	3	4	5	3	4													
Carcass Gauge ³ (in)	0.110	0.122	0.176	0.216	0.276	0.132	0.188	0.234	0.150	0.183	0.252	0.321	0.186	0.237	0.324	0.411	0.498	0.198	0.255	0.348	0.441	0.182	0.285	0.388	0.491	0.432	0.584													
Carcass Weight ⁴ (lb/in/ft)	0.052	0.054	0.081	0.101	0.131	0.059	0.087	0.110	0.066	0.081	0.114	0.147	0.083	0.108	0.153	0.197	0.242	0.087	0.116	0.162	0.209	0.077	0.130	0.182	0.235	0.186	0.258													
Elastic Modulus (lbs/in)	26,000	35,000	45,000	55,000	65,000	30,000	35,000	55,000	37,000	47,000	57,000	67,000	44,000	72,000	82,000	105,000	132,000	62,000	72,000	90,000	98,000	63,000	84,000	100,000	108,000	108,000	134,000													

CONVEYOR BELT SPECIFICS																											
Max. Tension Rating ² (PIW)	160	220	330	440	550	250	375	500	300	450	600	750	400	600	800	1000	1200	500	750	1000	1250	600	900	1200	1500	1500	2000
Troughing/Empty¹ - Minimum Belt Width (in)																											
20 Deg. Idlers	14	16	20	24	30	16	20	30	18	24	30	36	20	28	30	36	42	24	30	36	42	28	30	36	48	42	48
35 Deg. Idlers	18	20	24	30	30	20	24	30	20	30	36	36	24	30	36	42	48	30	36	42	48	30	36	42	54	48	54
45 Deg. Idlers	NR	24	30	36	36	24	30	36	28	36	42	42	30	36	42	48	54	36	42	48	54	36	42	48	60	54	60
Load Support - Maximum Belt Width (in)																											
20 Deg. Idlers 0-40 lbs/ft ²	36	48	60	72	72	36	72	84	60	72	84	84	66	84	96	96	96	72	84	96	96	72	96	96	96	96	96
20 Deg. Idlers 41-80 lbs/ft ²	24	42	54	66	72	24	60	72	54	60	84	84	60	72	96	96	96	66	72	96	96	72	84	96	96	96	96
20 Deg. Idlers 81-120 lbs/ft ²	24	36	48	60	66	24	54	66	48	54	72	84	54	66	84	84	84	60	72	84	84	60	72	84	84	84	84
20 Deg. Idlers Over 120 lbs/ft ²	NR	30	42	54	60	NR	48	60	42	48	66	72	48	60	72	84	84	54	60	72	84	54	66	72	84	84	84
35 Deg. Idlers 0-40 lbs/ft ²	36	42	54	72	72	48	60	72	54	60	84	84	60	72	96	96	96	66	72	96	96	72	84	96	96	96	96
35 Deg. Idlers 41-80 lbs/ft ²	24	36	48	60	72	42	60	66	48	60	72	72	54	60	84	84	96	60	66	84	96	60	72	84	96	96	96
35 Deg. Idlers 81-120 lbs/ft ²	24	30	42	54	60	36	54	60	42	54	66	66	48	54	72	72	84	54	60	72	84	54	60	72	84	84	84
35 Deg. Idlers Over 120 lbs/ft ²	NR	24	36	48	54	30	42	54	36	42	54	60	42	48	60	66	84	48	54	66	72	48	54	66	84	72	84
45 Deg. Idlers 0-40 lbs/ft ²	30	42	48	60	72	48	60	72	48	60	72	84	54	66	72	96	96	60	72	84	96	66	72	84	96	96	96
45 Deg. Idlers 41-80 lbs/ft ²	24	36	42	54	66	36	54	60	42	48	66	72	48	60	72	96	96	54	66	72	96	54	66	72	96	84	96
45 Deg. Idlers 81-120 lbs/ft ²	NR	30	36	48	54	30	48	54	36	48	60	60	42	54	60	42	84	48	54	60	84	48	60	66	84	72	84
45 Deg. Idlers Over 120 lbs/ft ²	NR	24	30	42	48	NR	30	48	30	36	54	54	63	42	54	66	72	42	48	54	72	42	54	60	72	72	72
Minimum Pulley Diameters (in)																											
81-100% Belt Rated Tension	14	16	20	26	30	16	20	28	18	22	28	30	20	24	28	36	48	20	28	80	40	20	28	36	48	42	48
61-80% Belt Rated Tension	12	14	18	20	24	14	18	24	16	16	24	24	18	20	24	32	40	18	24	24	32	18	22	30	36	36	42
Up to 60% Belt Rated Tension	10	12	16	16	20	12	16	20	14	16	20	20	16	18	20	26	32	16	20	20	28	16	18	24	30	30	36

ELEVATOR BELT SPECIFICS																											
Maximum Tension Rating (PIW)																											
Grain, Wood Chip Service 50 lbs/ft ³	120	190	280	370	475	210	320	425	260	390	520	645	345	520	690	870	1,030	425	645	870	1,060	520	765	1,030	1,275	1,275	1,700
Industrial Service 100 lbs/ft ³	100	170	250	330	425	195	290	390	230	350	465	580	310	465	620	775	930	385	580	775	960	465	695	930	1,155	1,155	1,540
Minimum Pulley Diameters (in)																											
81-100% Belt Rated Tension	16	16	20	26	30	16	20	26	18	22	28	30	20	24	28	36	48	20	54	28	40	20	28	36	48	42	48
61-80% Belt Rated Tension	14	14	18	20	24	14	18	20	16	18	24	24	18	20	24	32	40	18	20	24	32	18	22	30	36	36	42
Up to 60% Belt Rated Tension	12	12	16	16	20	12	16	16	14	16	20	20	16	18	20	26	32	16	18	20	28	16	18	24	30	30	36
Minimum Pulley Diameters (in)																											
“Centrifugal” Elevators	6	6	8	10	10	7	9	11	7	10	11	11	10	10	11	12	12	10	11	12	12	10	11	12	12	12	14
“Continuous” Elevators	NR	5	7	10	12	6	8	11	6	9	12	14	9	12	14	16	20	8	14	14	18	8	14	14	18	14	16

¹ Troughability and Load Support values can be influenced by certain cover gauge and compound combinations used. When in doubt, please contact your FDA representative for selection guidance.

² PSR tension ratings reflect a minimum 10:1 safety factor through the 750 PIW offerings, and an 8:1 minimum safety factor for the remaining higher tension offerings. With the appropriate fastener selection and installation, 4:1 minimum mechanical fastener safety factors can be achieved.

³ Add the appropriate cover gauge to this carcass gauge to obtain the approximate overall belt thickness.

⁴ Add the appropriate cover weight to this carcass weight to obtain the appropriate overall belt weight.

Tough Belts for Tough Applications

Fenner Dunlop is proud to offer the hardest working and longest-lasting conveyor belts in the world. We make our belts ourselves having complete quality control over the fabric production and treatment within North America. We do not import from other manufacturers in Asia or elsewhere. We set the standard for Conveyor Belts with our involvement in CEMA and ARPM. For over 150 years, we have researched, tested and developed our products using our own facilities. We employ world-leading experts who will ensure your belts last a lifetime!



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