



## **POWER-PLUS™ Conveyor Belting**

**Abrasion and Fire  
Resistant  
Conveyor Belting**



**Need Solutions...***to improve efficiency, safety and productivity?* **ask... ASGCO®**

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# POWER-PLUS<sup>TM</sup> CONVEYOR BELTING



## POWER-PLUS<sup>TM</sup>

Coal fired power generation plants, above ground coal handling facilities and underground non-coal mining facilities require specialized belting for these applications. ASGCO<sup>®</sup> has developed our Power-Plus<sup>™</sup> line of conveyor belting that meets FR MSHA 2G fire retardant compounds to combat the harshest coal handling, power generating environments and non-underground coal mining environments.

### PRODUCT APPLICATIONS:

**Power-Plus<sup>™</sup>** is constructed for above ground coal handling in power generation and coal preparation plants where leaching agents and dust suppressants can be major influences on belt deterioration.

- Excellent abrasion and cover wear properties
- Available in FR MSHA 2G and FR AR1 cover compounds
  - **FR2 MSHA 2G** is a fire retardant compound that meets ARPM-FR Class 2 and DIN K (150) requirements
  - **FR2 MSHA 2G - AR1** is a fire retardant compound that has excellent abrasion resistance (DIN 115) and meets FR MSHA 2G requirements.
- Available in 4 carcass constructions: Standard Plyed, Heavy-Duty Straightwarp, Kev-Flex and Steel-Flex.
  - Fabric carcasses from 330 to 1500 PIW
- Compounds formulated to reduce belt curling and hardening
- Low rolling resistance bottom covers also available



**POWER-PLUS™**  
Heavy Duty Straightwarp Conveyor Belting

Carcass Style	1 - 440		2 - 500		2 - 660		2 - 800	
Number of Plies	1		2		2		2	
Description	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric
Carcass Gauge (in/mm)	0.152	3.85	0.232	5.9	0.244	6.2	0.268	6.8
Carcass Weight (lb/in/ft / kg/m)	0.056	3.3	0.097	5.7	0.104	6.1	0.103	6.06
Elastic Modulus (lbs/in N/mm)	77,658	13,600	97,072	17,000	116,487	20,400	135,901	23,800
Max Tension Rating (PIW / N/mm)	440	800	500	1000	660	1200	800	1400
Troughing / Empty - Min Belt Width (in/mm)								
20° idlers	24	600	30	750	36	900	36	900
35° idlers	30	750	36	900	42	1050	42	1050
Load Support - Max Belt Width (in/mm)								
20° idlers (0-40 lbs/ft / 0-640 kg/m)	54	1350	72	1800	72	1800	72	1800
20° idlers (41-80 lbs/ft / 641-1280 kg/m)	54	1350	72	1800	72	1800	72	1800
20° idlers (81-120 lbs/ft / 1281 - 1920 kg/m)	48	1200	72	1800	72	1800	72	1800
35° idlers (0-40 lbs/ft / 0-640 kg/m)	54	1350	72	1800	72	1800	72	1800
35° idlers (41-80 lbs/ft / 641-1280 kg/m)	48	1200	72	1800	72	1800	72	1800
35° idlers (81-120 lbs/ft / 1281 - 1920 kg/m)	48	1200	60	1500	60	1500	60	1500
Minimum Pulley Diameters (in/mm)								
81 - 100% belt rated tension	20	500	30	800	30	800	30	750
61 - 80% belt rated tension	16	400	24	600	24	600	24	600
Up to 60% belt rated tension	12	300	20	500	20	500	20	500

**Power-Plus™**  
Conventional Fabric Conveyor Belting

Carcass Style	3 - 330		4 - 440		3 - 600		4 - 800	
Number of Plies	3		4		3		4	
Description	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric
Carcass Gauge (in/mm)	.167	4.25	.232	5.9	.209	5.3	.33	8.4
Carcass Weight (lb/in/ft / kg/m)	.08	2.032	.111	6.7	.96	5.5	.157	9.2
Elastic Modulus (lbs/in N/mm)	35,974	6,300	45,681	8,000	59,956	10,500	79,942	1,400
Max Tension Rating (PIW / N/mm)	330	660	440	800	600	1,050	800	1,400
Troughing / Empty - Min Belt Width (in/mm)								
20° idlers	24	711	30	750	36	900	42	1050
35° idlers	30	750	36	900	40	1000	48	1200
Load Support - Max Belt Width (in/mm)								
20° idlers (0-40 lbs/ft / 0-640 kg/m)	84	2100	96	2400	96	2400	96	2400
20° idlers (41-80 lbs/ft / 641-1280 kg/m)	72	1800	96	2400	96	2400	96	2400
20° idlers (81-120 lbs/ft / 1281 - 1920 kg/m)	72	1800	84	2100	84	2100	84	2100
35° idlers (0-40 lbs/ft / 0-640 kg/m)	72	1800	84	2100	84	2100	96	2400
35° idlers (41-80 lbs/ft / 641-1280 kg/m)	60	1500	72	1800	84	2100	84	2100
35° idlers (81-120 lbs/ft / 1281 - 1920 kg/m)	60	1500	72	1800	72	1800	72	1800
Minimum Pulley Diameters (in/mm)								
<b>Drive:</b> 81 - 100% belt rated tension	20	500	30	750	24	600	36	900
<b>Snub:</b> 61 - 80% belt rated tension	16	400	24	600	20	508	30	750
<b>Bend:</b> Up to 60% belt rated tension	12	300	20	500	16	400	24	600

**ASGCO® “Mid-Atlantic Conveyor Solutions”**

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