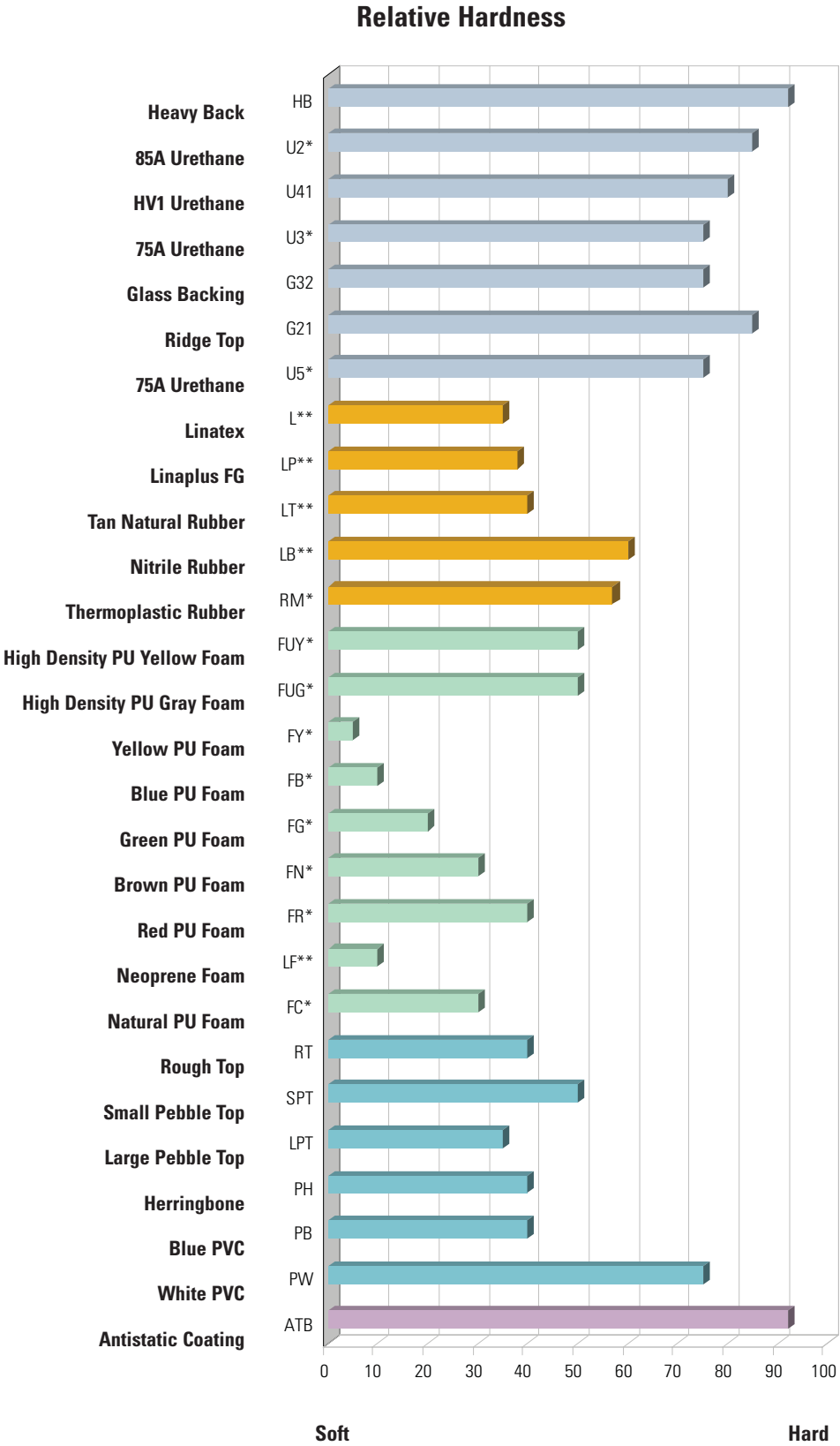




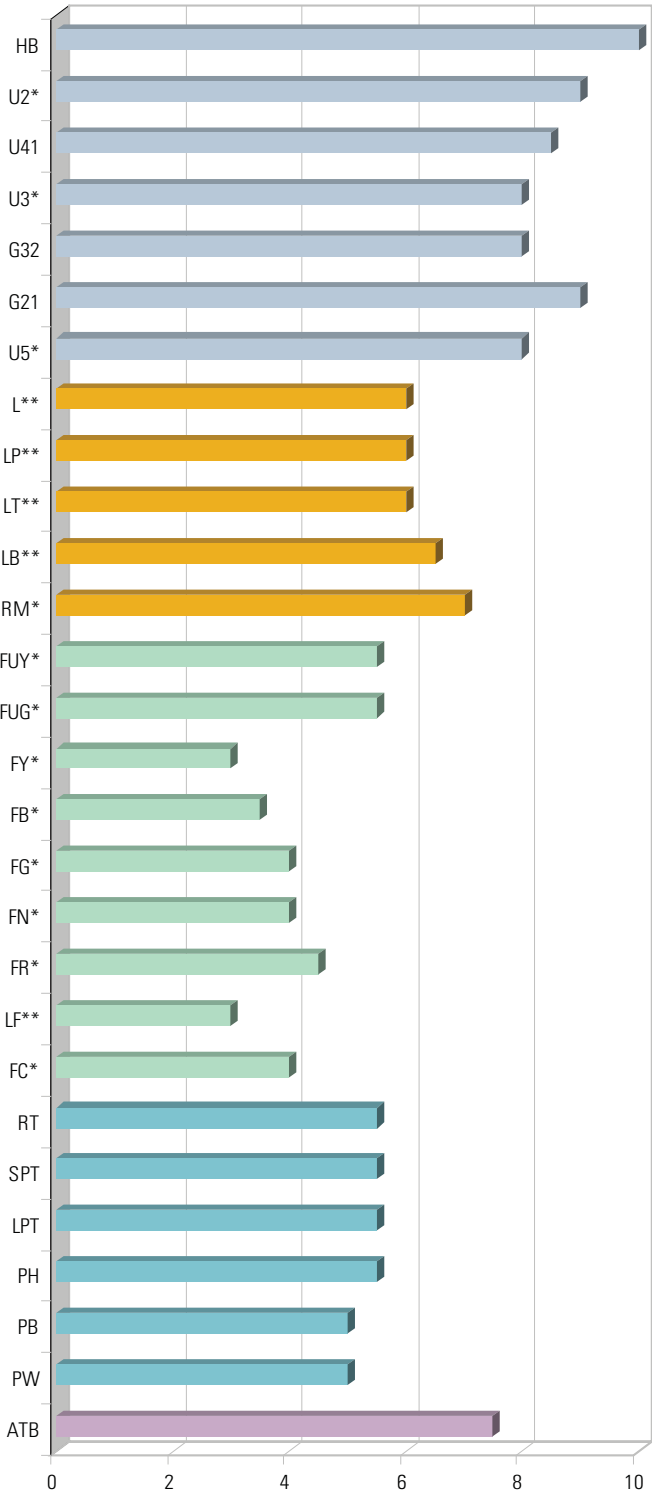
Belt Backings — Specifications

Backings – Specifications



Backings – Specifications

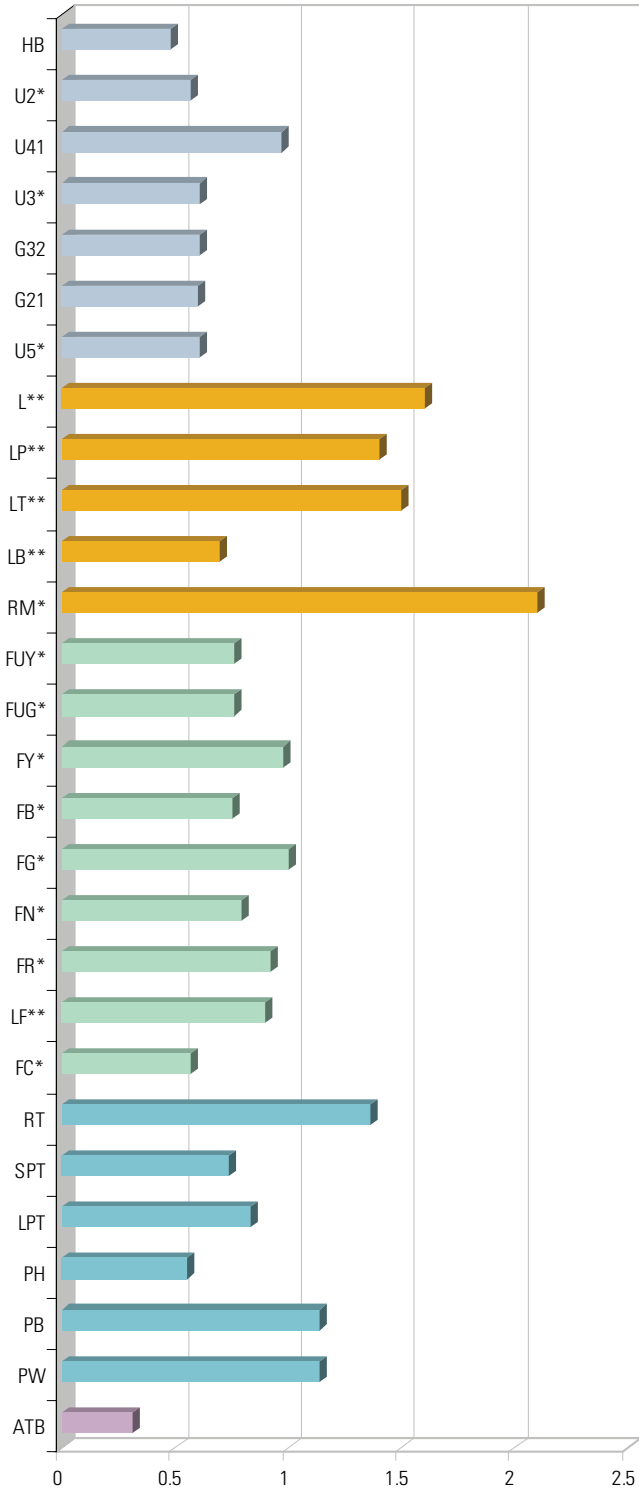
Relative Abrasion Resistance



Poor

Excellent

Static Coefficient of Friction



Static friction measured against aluminum

Backings – Specifications

Polyurethane

Heavy Back	HB	Same as standard 92 A hardness base material. Very tough and durable.
85A Urethane	U2*	Softer PU than base material. Higher friction, more flexibility, similar durability.
HV1 Urethane	U41	Specifically compounded for very high coefficient of friction.
75A Urethane	U3*	Softer version of standard urethane. Better friction, more compression, greater flexibility, very tough.
Glass Backing	G32	Longitudinal groove pattern for glass conveying. Good friction and gaps for holding back abrasives and dirt.
Ridge Top	G21	Durable backing with longitudinal ridges. Ideal for conveying oily steel.
75A Urethane	U5*	Softer, high friction with very good abrasion resistance.

Rubber

Linatex	L**	High friction, pure gum rubber. Good abrasion resistance, excellent for pulling and feeding applications.
Linaplus FG	LP**	FDA approved, high friction pure gum rubber.
Tan Natural Rubber	LT**	Natural pure gum rubber, high friction.
Nitrile Rubber	LB**	Oil and fuel resistant synthetic rubber
Thermoplastic Rubber	RM*	High friction, ideal for conveying applications. Good oil, ozone and abrasion resistance.

Foam

High Density PU Yellow Foam	FUY*	High friction. Very good abrasion resistance, excellent for paper feed applications.
High Density PU Gray Foam	FUG*	High friction. Very good abrasion resistance, excellent for paper feed applications.
Yellow PU Foam	FY*	Lower density. Excellent cushioning and conforming to products while providing good friction.
Blue PU Foam	FB*	Low density. Excellent cushioning and conforming to products while providing good friction.
Green PU Foam	FG*	Mid range density, firmer holding and cushioning, excellent friction.
Brown PU Foam	FN*	Mid range density, firmer holding and cushioning, excellent friction.
Red PU Foam	FR*	Upper range density, firm holding and cushioning, good friction and abrasion resistance.
Neoprene Foam	LF**	Black neoprene good abrasion resistance and compliance.
Natural PU Foam	FC*	Mid range density. Less demanding applications.

PVC

Rough Top	RT	Intricate surface modeling, excellent friction surfaces. Great for glass and incline conveyors.
Small Pebble Top	SPT	Textured surface with small nubs for non-slip surface.
Large Pebble Top	LPT	Textured surface with larger nubs for non-slip surface.
Herringbone	PH	Raised herringbone pattern for non-slip and dispersing surface.
Blue PVC	PB	Smooth high sheen, high friction surface.
White PVC	PW	Smooth white, FDA high friction surface for non-abrasive applications.

Special

Antistatic Coating	ATB	Extremely good conductivity characteristics for electronic conveying applications.
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Backings – Specifications

	Hardness Shore A / Density Kg/m ³	Material Thickness mm	Abrasion Resistance Rating ‡	Static Coefficient of Friction †	Kinetic Coefficient of Friction †	Max. Temp. Degrees C	Pulley Diameter Factor	Oil Resistance	Color
Polyurethane									
HB	92	2	10	0.5	0.5	80	30	E	Clear
U2*	85	2 or 3	9	0.6	0.5	80	30	E	Clear
U41	80	1	8.5	1.0	0.8	80	30	E	Clear
U3*	75	2 or 3	8	0.6	0.6	70	30	E	Clear
G32	75	5	8	0.6	0.6	70	Ø100mm	E	Clear
G21	85	3	9	0.6	0.5	80	Ø100mm	E	Clear
U5*	75	2 or 3	8	0.6	0.6	70	25	E	White

Rubber

L**	35	1/16" to 1/2"	6	1.6	1.6	60	20	P	Red
LP**	38	1/16" to 3/16"	6	1.4	1.4	60	20	P	White
LT**	40	1/16" to 1/4"	6	1.5	1.5	60	20	P	Tan
LB**	60	1/16" to 1/4"	6.5	0.7	0.5	110	25	E	Black
RM*	57	2, 3, 6	7	2.1	1.4	105	25	G	Red

Foam

FUY*	50	2 to 5	5.5	0.8	0.8	60	30	E	Yellow
FUG*	50	2 to 5	5.5	0.8	0.8	60	30	E	Gray
FY*	- / 160	6 to 12	3	1.0	1.0	60	15	E	Yellow
FB*	- / 220	6 to 12	3.5	0.8	0.8	60	15	E	Blue
FG*	20 / 300	6 to 12	4	1.0	1.0	60	15	E	Green
FN*	30 / 400	6 to 12	4	0.8	0.8	60	15	E	Brown
FR*	40 / 500	6 to 12	4.5	0.9	0.9	60	20	E	Red
LF**	- / 250	1/8" to 1/2"	3	0.9	0.9	60	15	P	Black
FC*	30 / 400	2 to 5	4	0.6	0.5	60	15	E	Natural

PVC

RT	40	4.5	5.5	1.4	1.3	60	Ø 90mm	P	Blue-green
SPT	50	1.5	5.5	0.7	0.6	60	Ø 25mm	P	White
LPT	35	6	5.5	0.8	0.7	60	Ø 40mm	P	White
PH	40	4.5	5.5	0.6	0.3	60	Ø 90mm	P	White
PB	40	1 or 2	5	1.1	1.1	60	Ø 40mm	P	Blue-green
PW	75	2	5	1.1	1.1	60	Ø 40mm	P	White

Special

ATB	92	N/A	7.5	0.3	0.3	80	N/A	E	Black
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* Add thickness in mm to designator

** Add thickness in 1/16" to designator

‡ 10 = very high resistance

† Friction measured against aluminum

Oil resistance: E = Excellent G = Good P = Poor

Minimum Pulley Diameter = (Pulley Diameter Factor) x (Material Thickness)
or above listed diameter

Note: Pulley diameter must be greater than or equal to the minimum pulley
required for a given belt type. See belt specifications.



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