



For engineered drawings:



Actual size W x H	Part number	Material	Description	Web width inch (mm)	Recommended Ribbon *	Label feeder compatibility
PPL103 0.118" x 0.118" (3.0 mm x 3.0 mm)	PPL103-403FL-10	TT403FL	2 mil General purpose gloss	0.375 (9.53)	TTRR-D1.0ZJ	ILP-30 only
	PPL103-416FL-10	TT416FL	2 mil Economy gloss	0.375 (9.53)	TTRR-D1.0ZJ	ILP-30 only
	PPL103-433FL-10	TT433FL	2 mil Hi-performance gloss	0.375 (9.53)	TTRR-CR1.0ZJ	ILP-30 only
	PPL103-451FL-10	TT451FL	2 mil ESD gloss	0.375 (9.53)	TTRR-D1.0ZJ	ILP-30 only
	PPL103-481FL-10	TT481FL	1 mil Low-profile gloss	0.375 (9.53)	TTRR-CR1.0ZJ	ILP-30 only
PPL104 0.157" x 0.157" (4.0 mm x 4.0 mm)	PPL104-403FL-10	TT403FL	2 mil General purpose gloss	0.450 (11.4)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL104-416FL-10	TT416FL	2 mil Economy gloss	0.450 (11.4)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL104-433FL-10	TT433FL	2 mil Hi-performance gloss	0.450 (11.4)	TTRR-CR1.0ZJ	ILP-30 / ILP-45
	PPL104-451FL-10	TT451FL	2 mil ESD gloss	0.450 (11.4)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL104-481FL-10	TT481FL	1 mil Low-profile gloss	0.450 (11.4)	TTRR-CR1.0ZJ	ILP-30 / ILP-45
PPL105 0.197" x 0.197" (5.0 mm x 5.0 mm)	PPL105-403FL-10	TT403FL	2 mil General purpose gloss	0.450 (11.4)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL105-416FL-10	TT416FL	2 mil Economy gloss	0.450 (11.4)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL105-433FL-10	TT433FL	2 mil Hi-performance gloss	0.450 (11.4)	TTRR-CR1.0ZJ	ILP-30 / ILP-45
	PPL105-451FL-10	TT451FL	2 mil ESD gloss	0.450 (11.4)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL105-481FL-10	TT481FL	1 mil Low-profile gloss	0.450 (11.4)	TTRR-CR1.0ZJ	ILP-30 / ILP-45
PPL106 0.25" x 0.25" (6.35 mm x 6.35 mm)	PPL106-403FL-10	TT403FL	2 mil General purpose gloss	0.450 (11.4)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL106-416FL-10	TT416FL	2 mil Economy gloss	0.450 (11.4)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL106-433FL-10	TT433FL	2 mil Hi-performance gloss	0.450 (11.4)	TTRR-CR1.0ZJ	ILP-30 / ILP-45
	PPL106-451FL-10	TT451FL	2 mil ESD gloss	0.450 (11.4)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL106-481FL-10	TT481FL	1 mil Low-profile gloss	0.450 (11.4)	TTRR-CR1.0ZJ	ILP-30 / ILP-45
PPL107 0.275" x 0.275" (7.0 mm x 7.0 mm)	PPL107-403FL-10	TT403FL	2 mil General purpose gloss	0.450 (11.4)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL107-416FL-10	TT416FL	2 mil Economy gloss	0.450 (11.4)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL107-433FL-10	TT433FL	2 mil Hi-performance gloss	0.450 (11.4)	TTRR-CR1.0ZJ	ILP-30 / ILP-45
	PPL107-451FL-10	TT451FL	2 mil ESD gloss	0.450 (11.4)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL107-481FL-10	TT481FL	1 mil Low-profile gloss	0.450 (11.4)	TTRR-CR1.0ZJ	ILP-30 / ILP-45
PPL108 0.315" x 0.315" (8.0 mm x 8.0 mm)	PPL108-403FL-10	TT403FL	2 mil General purpose gloss	0.450 (11.4)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL108-416FL-10	TT416FL	2 mil Economy gloss	0.450 (11.4)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL108-433FL-10	TT433FL	2 mil Hi-performance gloss	0.450 (11.4)	TTRR-CR1.0ZJ	ILP-30 / ILP-45
	PPL108-451FL-10	TT451FL	2 mil ESD gloss	0.450 (11.4)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL108-481FL-10	TT481FL	1 mil Low-profile gloss	0.450 (11.4)	TTRR-CR1.0ZJ	ILP-30 / ILP-45

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* Best ribbon for most applications.
Jumbo size rolls listed.
See page 28 for standard length ribbons.
See page 20 for ribbon formulation
descriptions.

Actual size W x H	Part number	Material	Description	Web width inch (mm)	Recommended Ribbon *	Label feeder compatibility
PPL109 0.375" x 0.375" (9.53 mm x 9.53 mm)	PPL109-403FL-10	TT403FL	2 mil General purpose gloss	0.500 (12.7)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL109-416FL-10	TT416FL	2 mil Economy gloss	0.500 (12.7)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL109-433FL-10	TT433FL	2 mil Hi-performance gloss	0.500 (12.7)	TTRR-CR1.0ZJ	ILP-30 / ILP-45
	PPL109-451FL-10	TT451FL	2 mil ESD gloss	0.500 (12.7)	TTRR-D1.0ZJ	ILP-30 / ILP-45
	PPL109-481FL-10	TT481FL	1 mil Low-profile gloss	0.500 (12.7)	TTRR-CR1.0ZJ	ILP-30 / ILP-45
PPL110 0.65" x 0.20" (16.51 mm x 5.08 mm)	PPL110-403FL-10	TT403FL	2 mil General purpose gloss	0.850 (21.59)	TTRR-D1.0ZJ	ILP-45 only
	PPL110-416FL-10	TT416FL	2 mil Economy gloss	0.850 (21.59)	TTRR-D1.0ZJ	ILP-45 only
	PPL110-433FL-10	TT433FL	2 mil Hi-performance gloss	0.850 (21.59)	TTRR-CR1.0ZJ	ILP-45 only
	PPL110-451FL-10	TT451FL	2 mil ESD gloss	0.850 (21.59)	TTRR-D1.0ZJ	ILP-45 only
	PPL110-481FL-10	TT481FL	1 mil Low-profile gloss	0.850 (21.59)	TTRR-CR1.0ZJ	ILP-45 only
PPL111 0.60" x 0.25" (15.24 mm x 6.35 mm)	PPL111-403FL-10	TT403FL	2 mil General purpose gloss	0.850 (21.59)	TTRR-D1.0ZJ	ILP-45 only
	PPL111-416FL-10	TT416FL	2 mil Economy gloss	0.850 (21.59)	TTRR-D1.0ZJ	ILP-45 only
	PPL111-433FL-10	TT433FL	2 mil Hi-performance gloss	0.850 (21.59)	TTRR-CR1.0ZJ	ILP-45 only
	PPL111-451FL-10	TT451FL	2 mil ESD gloss	0.850 (21.59)	TTRR-D1.0ZJ	ILP-45 only
	PPL111-481FL-10	TT481FL	1 mil Low-profile gloss	0.850 (21.59)	TTRR-CR1.0ZJ	ILP-45 only
PPL112 0.75" x 0.25" (19.05 mm x 6.35 mm)	PPL112-403FL-10	TT403FL	2 mil General purpose gloss	0.875 (22.225)	TTRR-D1.0ZJ	ILP-45 only
	PPL112-416FL-10	TT416FL	2 mil Economy gloss	0.875 (22.225)	TTRR-D1.0ZJ	ILP-45 only
	PPL112-433FL-10	TT433FL	2 mil Hi-performance gloss	0.875 (22.225)	TTRR-CR1.0ZJ	ILP-45 only
	PPL112-451FL-10	TT451FL	2 mil ESD gloss	0.875 (22.225)	TTRR-D1.0ZJ	ILP-45 only
	PPL112-481FL-10	TT481FL	1 mil Low-profile gloss	0.875 (22.225)	TTRR-CR1.0ZJ	ILP-45 only
PPL113 0.90" x 0.25" (22.86 mm x 6.35 mm)	PPL113-403FL-10	TT403FL	2 mil General purpose gloss	1.100 (27.940)	TTRR-D1.57ZJ	ILP-45 only
	PPL113-416FL-10	TT416FL	2 mil Economy gloss	1.100 (27.940)	TTRR-D1.57ZJ	ILP-45 only
	PPL113-433FL-10	TT433FL	2 mil Hi-performance gloss	1.100 (27.940)	TTRR-CR1.57ZJ	ILP-45 only
	PPL113-451FL-10	TT451FL	2 mil ESD gloss	1.100 (27.940)	TTRR-D1.57ZJ	ILP-45 only
	PPL113-481FL-10	TT481FL	1 mil Low-profile gloss	1.100 (27.940)	TTRR-CR1.57ZJ	ILP-45 only
PPL114 1.00" x 0.25" (25.40 mm x 6.35 mm)	PPL114-403FL-10	TT403FL	2 mil General purpose gloss	1.125 (28.575)	TTRR-D1.57ZJ	ILP-45 only
	PPL114-416FL-10	TT416FL	2 mil Economy gloss	1.125 (28.575)	TTRR-D1.57ZJ	ILP-45 only
	PPL114-433FL-10	TT433FL	2 mil Hi-performance gloss	1.125 (28.575)	TTRR-CR1.57ZJ	ILP-45 only
	PPL114-451FL-10	TT451FL	2 mil ESD gloss	1.125 (28.575)	TTRR-D1.57ZJ	ILP-45 only
	PPL114-481FL-10	TT481FL	1 mil Low-profile gloss	1.125 (28.575)	TTRR-CR1.57ZJ	ILP-45 only

* See footnotes on page 24

MATERIAL	COLOR	FINISH	TEMP. RANGE	MATERIAL DESCRIPTION	RIBBONS	UL
TT403FL	White	Gloss	F: -40° to 572° C: -40 to 300°	High performance gloss white 2 mil high temperature-resistant polyimide film with 2 mil permanent acrylic adhesive on clear polyester film liner.	TTRR-D* TTRR-CR TTRR-B	●
TT416FL	White	Gloss	F: -40° to 572° C: -40 to 300°	Standard performance gloss white 2 mil high temperature-resistant polyimide film with 1.5 mil permanent acrylic adhesive on clear polyester film liner.	TTRR-D* TTRR-B TTRR-CR	●
TT433FL	White	Gloss	F: -40° to 572° C: -40 to 300°	Ultra performance gloss white 2 mil high temperature-resistant polyimide film with 2 mil permanent acrylic adhesive on clear polyester film liner.	TTRR-CR* TTRR-B TTRR-D	●
TT451FL	White	Gloss	F: -40° to 572° C: -40 to 300°	Electrostatic dissipative (ESD) gloss white 2 mil high temperature-resistant polyimide film with 2 mil permanent acrylic adhesive on clear polyester film liner.	TTRR-D* TTRR-B TTRR-CR	●
TT481FL	White	Gloss	F: -40° to 572° C: -40 to 300°	Low profile gloss white 1 mil high temperature-resistant polyimide film with 1 mil permanent acrylic adhesive on clear polyester film liner.	TTRR-CR* TTRR-B	●

* Best ribbon for most applications.