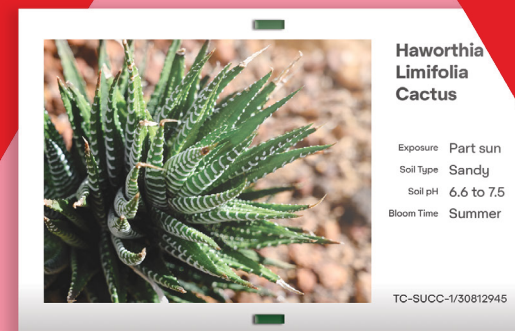


# Rapid-Roll® High-Strength Applications Guide

Product comparisons for commonly  
used DuPont™ Tyvek® applications



Avery Dennison Rapid-Roll® distributes many unsupported film offerings and customers are looking for options. This guide was curated to provide direction as to the options that may be fit for use tested in your application.

For the foreseeable future, Tyvek materials will be limited in supply. This tool is intended to provide a comparison of material attributes and specifications specific to common applications for Tyvek.

## Terminology

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**Elongation:** How much the material stretches before breaking, as a percentage of its original dimensions.

**Tensile Strength:** The materials breaking point

**Tear Strength:** Elmendorf- initiated tear strength



# TYVEK 1025DR

Furniture, garment tags & textile labels

	79108	78117	78251	B0928
Property	TYVEK 1025 DR	5.8M HS Polyart	6M Polyolith GC-3	6M WH HS HDPE
	Spunbonded HDPE	Biaxially Oriented HDPE	OPP	HDPE
<b>CALIPER</b>	5.8	5.8	6.0	5.9
<b>TEAR STRENGTH MD</b>	**	*	**	****
<b>ELMENDORF CD</b>	**	*	***	**
<b>TENSILE STRENGTH MD</b>	***	****	**	**
<b>CD</b>	**	***	*	***
<b>ELONGATION MD</b>	*	***	****	**
<b>CD</b>	*	***	****	****
<b>OPACITY</b>	****	***	****	***
<b>STIFFNESS MD</b>	*	****	****	****
<b>CD</b>	*	****	****	****
<b>SEW / PERF</b>	YES	YES	YES	YES
<b>PRINT METHODS</b>	flexo, HP Indigo® and UV Inkjet	flexo, thermal transfer, and UV inkjet (testing required)	flexo and thermal transfer	flexo, thermal transfer and offset

\* count is based on closest performance to the Tyvek specification





# TYVEK 1056DR

Racing bibs & pallet tags

	79109	78232	B0930	B5487
Property	TYVEK 1056 DR	7M Polyolith GC-3	7.5 MIL WH HS HDPE	6.5M WH Cross-Lam HDPE
	Spunbonded HDPE	OPP	HDPE	Cross-Laminated HDPE
<b>CALIPER</b>	6.9	7.0	7.35	6.5
<b>TEAR STRENGTH MD</b>	**	***	**	*****
<b>ELMENDORF CD</b>	***	***	****	*****
<b>TENSILE STRENGTH MD</b>	****	*	**	****
<b>CD</b>	*****	**	**	**
<b>ELONGATION MD</b>	*	***	*****	*****
<b>CD</b>	*	*****	*****	*****
<b>OPACITY</b>	****	***	**	**
<b>STIFFNESS MD</b>	*	***	****	**
<b>CD</b>	*	****	****	**
<b>SEW / PERF</b>	YES	YES	YES	YES
<b>PRINT METHODS</b>	flexo, HP Indigo® and UV Inkjet	flexo and thermal transfer	flexo, thermal transfer and offset	flexo and thermal transfer

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# TYVEK 8740D

Hangtags, warning labels & wristbands

	79110	B0930	B5488
Property	TYVEK 8740D	7.5 MIL WH HS HDPE	8.6M WH Cross-Lam HDPE
	Spunbonded HDPE	HDPE	Cross-Laminated HDPE
<b>CALIPER</b>	8.1	7.35	8.6
<b>TEAR STRENGTH MD</b>	**	*	****
<b>ELMENDORF CD</b>	**	***	****
<b>TENSILE STRENGTH MD</b>	****	**	****
<b>CD</b>	****	**	***
<b>ELONGATION MD</b>	*	****	****
<b>CD</b>	*	****	****
<b>OPACITY</b>	****	**	****
<b>STIFFNESS MD</b>	**	***	****
<b>CD</b>	**	****	****
<b>SEW / PERF</b>	YES	YES	YES
<b>PRINT METHODS</b>	flexo, HP Indigo® and UV Inkjet	flexo, thermal transfer and offset	flexo and thermal transfer

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# TYVEK 1079

Ski lift tickets & shellfish tags

	75723	77040	75735	B0930
Property	TYVEK 1079	8.5M Polyart	8M Polyolith GC-2	7.5 MIL WH HS HDPE
	Spunbonded HDPE	Biaxially Oriented HDPE	OPP	HDPE
<b>CALIPER</b>	8.3	8.5	8.0	7.35
<b>TEAR STRENGTH MD</b>	**	*	***	***
<b>ELMENDORF CD</b>	***	*	**	*****
<b>TENSILE STRENGTH MD</b>	****	****	**	**
<b>CD</b>	*****	***	*	**
<b>ELONGATION MD</b>	*	***	***	*****
<b>CD</b>	*	***	***	*****
<b>OPACITY</b>	***	*****	****	***
<b>STIFFNESS MD</b>	**	***	*****	***
<b>CD</b>	**	***	*****	***
<b>SEW / PERF</b>	YES	YES	YES	YES
<b>PRINT METHODS</b>	flexo, HP Indigo® and UV Inkjet	flexo, thermal transfer and UV inkjet (testing required)	flexo and thermal transfer	flexo, thermal transfer and offset

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# TYVEK 1073D

Carpet labels, plant tags & PS labels

	79111	78232	B0930	B5487
Property	TYVEK 1073D	7M Polyolith GC-3	7.5 MIL WH HS HDPE	6.5M WH Cross-Lam HDPE
	Spunbond HDPE	OPP	HDPE	Cross-Laminated HDPE
<b>CALIPER</b>	7.5	7.0	7.5	6.5
<b>TEAR STRENGTH MD</b>	**	***	*	****
<b>ELMENDORF CD</b>	**	**	****	****
<b>TENSILE STRENGTH MD</b>	****	*	**	**
<b>CD</b>	****	**	**	**
<b>ELONGATION MD</b>	*	***	****	****
<b>CD</b>	*	****	****	****
<b>OPACITY</b>	****	**	**	**
<b>STIFFNESS MD</b>	*	***	****	**
<b>CD</b>	*	****	****	**
<b>SEW / PERF</b>	YES	YES	YES	YES
<b>PRINT METHODS</b>	flexo, HP Indigo® and UV Inkjet	flexo and thermal transfer	flexo, thermal transfer and offset	flexo and thermal transfer

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# TYVEK 1085D

## Lumber tags & tickets



	75724	78168	B0931	B5490
Property	TYVEK 1085D	10M Polyolith GC-3	10M WH HS HDPE	9.5M C2S Cross-Lam HDPE
	Spunbonded HDPE	OPP	HDPE	Cross-Laminated HDPE
<b>CALIPER</b>	10.5	10.0	9.8	9.5
<b>TEAR STRENGTH MD</b>	**	***	**	*****
<b>ELMENDORF CD</b>	**	****	****	*****
<b>TENSILE STRENGTH MD</b>	****	*	**	**
<b>CD</b>	****	*	**	**
<b>ELONGATION MD</b>	*	****	*****	****
<b>CD</b>	*	**	****	****
<b>OPACITY</b>	****	****	**	****
<b>STIFFNESS MD</b>	***	*****	*****	*****
<b>CD</b>	***	*****	*****	*****
<b>SEW / PERF</b>	YES	YES	YES	YES
<b>PRINT METHODS</b>	flexo, HP Indigo® and UV Inkjet	flexo and thermal transfer	flexo, thermal transfer and offset	flexo and thermal transfer

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