

DuPont™ Tyvek® 1442R

Product Properties—Metric Units

Product Features:
Antistatic Treatment
Corona Treated

Specification Properties (Metric Units)

Property	Comparable Test Method	Units	Tyvek® 1442R
Basis Weight	DIN EN ISO 536 (96) ¹	g/m ²	43.0 [41.0–45.0]
Tensile Strength, MD	DIN EN ISO 1924-2 (08) ⁴	N	44 [38–50]

Notes: All specification properties are typical values based on mill roll averages, with samples taken uniformly across the sheet.

1. Modified for size: 100 cm²

4. Modified for: speed = 100 mm/min, width = 25.4 mm and gauge length = 127 mm

Miscellaneous Properties (Metric Units)

Property	Comparable Test Method	Units	Tyvek® 1442R
Delamination	ASTM D2724-04 ²	N	0.25
Thickness	DIN EN ISO 534 (05) ³	µm	145
Tensile Strength, CD	DIN EN ISO 1924-2 (08) ⁴	N	38
Mullenburst	ISO 2758 (01)	kPa	365
Tongue Tear, MD	DIN EN ISO 1924-2 (08) ⁵	N	11.2
Tongue Tear, CD	DIN EN ISO 1924-2 (08) ⁵	N	11.0

Notes: Miscellaneous properties are typical values based on mill roll averages, unless otherwise noted but are not warranted in any way, expressed or implied. Miscellaneous properties are not controlled in the process and are subject to normal process drift.

MD = machine direction; CD = cross direction.

2. Modified for: result interpretation – length of delamination = 116 mm, width 25.4 mm, speed = 127 mm/min and clamp distance = 60mm

3. Surface 2 cm², pressure 50 kPa

4. Modified for: speed = 100mm/min, width = 25.4mm and gauge length = 127 mm

5. Modified for sample size, speed and expression of results

For more information, connect with us at: www.graphics.dupont.com

This information is based upon technical data that DuPont believes to be reliable. It is subject to revision as additional knowledge and experience are gained. DuPont makes no guarantee of results and assumes no obligation or liability in connection with this information. It is intended for use by persons having technical skill for evaluation under their specific end-use conditions at their own discretion and risk. Since conditions of use are outside our control, WE MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATIONS, NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE AND ASSUME NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION.

This information is not intended as a license to operate under or a recommendation to infringe any patent or technical information of DuPont or others covering any material or its use.

©2019 DuPont. All rights reserved. DuPont™, the DuPont Oval Logo and all trademarks denoted with ™ or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted.

DuPont™ Tyvek® 1442R

Product Properties—English Units

Product Features:
Antistatic Treatment
Corona Treated

Specification Properties (English Units)

Property	Comparable Test Method	Units	Tyvek® 1442R
Basis Weight	DIN EN ISO 536 (96) ¹	oz/yd ²	1.27 [1.21–1.33]
Tensile Strength, MD	DIN EN ISO 1924-2 (08) ⁴	lb _f	9.89 [8.54–11.24]

Notes: All specification properties are typical values based on mill roll averages, with samples taken uniformly across the sheet.

1. Modified for size: 100 cm²

4. Modified for: speed = 100 mm/min, width = 25.4 mm and gauge length = 127 mm

Miscellaneous Properties (English Units)

Property	Comparable Test Method	Units	Tyvek® 1442R
Delamination	ASTM D2724-04 ²	lb _f	0.056
Thickness	DIN EN ISO 534 (05) ³	mils	5.7
Tensile Strength, CD	DIN EN ISO 1924-2 (08) ⁴	lb _f	8.54
Mullenburst	ISO 2758 (01)	psi	52.94
Tongue Tear, MD	DIN EN ISO 1924-2 (08) ⁵	lb _f	2.52
Tongue Tear, CD	DIN EN ISO 1924-2 (08) ⁵	lb _f	2.47

Notes: Miscellaneous properties are typical values based on mill roll averages, unless otherwise noted but are not warranted in any way, expressed or implied. Miscellaneous properties are not controlled in the process and are subject to normal process drift.

MD = machine direction; CD = cross direction.

2. Modified for: result interpretation – length of delamination = 116 mm, width 25.4 mm, speed = 127 mm/min and clamp distance = 60mm

3. Surface 2 cm², pressure 50 kPa

4. Modified for: speed = 100mm/min, width = 25.4mm and gauge length = 127 mm

5. Modified for sample size, speed and expression of results

For more information, connect with us at: www.graphics.dupont.com

This information is based upon technical data that DuPont believes to be reliable. It is subject to revision as additional knowledge and experience are gained. DuPont makes no guarantee of results and assumes no obligation or liability in connection with this information. It is intended for use by persons having technical skill for evaluation under their specific end-use conditions at their own discretion and risk. Since conditions of use are outside our control, WE MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATIONS, NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE AND ASSUME NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION.

This information is not intended as a license to operate under or a recommendation to infringe any patent or technical information of DuPont or others covering any material or its use.

©2019 DuPont. All rights reserved. DuPont™, the DuPont Oval Logo and all trademarks denoted with ™ or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted.