

MARNOTO

GENERAL INFORMATION

Composition	100% PES
Weight g/m ²	560 g/m ²
Weight g/Lm	795 g/Lm
Weight lbs/lin.yd	
Width	142 cm
Min. usable Width	138 cm
Piece Length	25 m
Tariff code	58013600

CLEANING INSTRUCTIONS



CLEANING CODE: W

• SHRINKAGE	30° WARP	-0.3%
ISO 6330:2012 (30°)	WEFT	-0.1%
Maximum Shrinkage: 3%		

TECHNICAL DATE

PHYSICAL TESTING

• MARTINDALE ABRASION	END POINT	40000 rubs
ISO12947-2 1998	CHANGE IN COLOR	4/5
Minimum grade: 20000 rubs		
• WYZENBEEK, SURFACE ABRASION	END POINT	102000 rubs
ASTM D4157-02		
Minimum grade: 15000 rubs		
• PILLING ON MARTINDALE	500 RUBS	4
ISO 12945-2:2000	1000 RUBS	4
Minimum grade: 3/4 (at 2000 rubs)	2000 RUBS	4
	5000 RUBS	4
• SEAM SLIPPAGE	WARP	2 mm
EN ISO 13936-2	WEFT	2 mm
Minimum grade: 6mm		
• YARN SLIPPAGE	WARP	90 lbf
ASTM S 4034-19	WEFT	52 lbf
Minimum grade: 25lbs		
• TEAR STRENGTH	WARP	130 n
EN ISO 13937-3:2000	WEFT	130 n
Minimum grade: 20n		



- **TEARING STRENGTH** **WARP** 33 lbf
 ASTM S 2261-13 **WEFT** 41 lbf
 Minimum grade: 6lbs

- **TENSILE STRENGTH** **WARP** 980 n
 ISO 13934-1 **WEFT** 890 n
 Minimum grade: 350n

- **BREAKING STRENGTH** **WARP** 263 lbf
 ASTM D 5034-21 (Grab) **WEFT** 202 lbf
 Minimum grade: 60lbs

COLOR TESTING

- **COLOUR FASTNESS TO RUBBING** **DRY** 100: 4/5 **WET** 100: 4/5
 EN ISO 105-X12 **DRY** 101: 4/5 **WET** 101: 4/5
 Minimum grade:
 Dry: 4 **DRY** 102: 4/5 **WET** 102: 4/5
 DRY 103: 4/5 **WET** 103: 4
 Wet: 3 **DRY** 200: 4/5 **WET** 200: 4/5
 DRY 300: 4/5 **WET** 300: 4
 DRY 301: 4/5 **WET** 301: 4/5
 DRY 400: 4/5 **WET** 400: 4/5
 DRY 500: 4/5 **WET** 500: 4/5
 DRY 501: 4/5 **WET** 501: 4/5
 DRY 502: 4/5 **WET** 502: 4/5
 DRY 503: 4/5 **WET** 503: 4
 DRY 600: 4/5 **WET** 600: 4
 DRY 601: 4/5 **WET** 601: 4/5
 DRY 602: 4/5 **WET** 602: 4/5
 DRY 700: 4/5 **WET** 700: 4
 DRY 701: 4/5 **WET** 701: 4/5
 DRY 800: 4 **WET** 800: 3
 DRY 802: 4/5 **WET** 802: 4/5
 DRY 803: 4/5 **WET** 803: 4/5
 DRY 804: 4/5 **WET** 804: 4/5
 DRY 805: 4/5 **WET** 805: 4/5
 DRY 806: 4/5 **WET** 806: 4/5
 DRY 900: 4/5 **WET** 900: 4/5
 DRY 901: 4/5 **WET** 901: 4/5
 DRY 902: 4/5 **WET** 902: 4/5
 DRY 903: 4/5 **WET** 903: 4/5
 DRY 904:4/5 **WET** 904:4/5

- **COLOUR FASTNESS TO LIGHT** **GRADE** 100: 6
 EN ISO 105-B02 **GRADE** 101: 5/6
 Minimum grade: 4 **GRADE** 102: 6
 GRADE 103: 5
 GRADE 200: 4/5
 GRADE 300: 5
 GRADE 301: 5
 GRADE 400: 5
 GRADE 500: 5
 GRADE 501: 5/6
 GRADE 502: 6
 GRADE 503: 6

GRADE	600: 6
GRADE	601: 5/6
GRADE	602: 6
GRADE	700: 6
GRADE	701: 6
GRADE	800: 5/6
GRADE	802: 5/6
GRADE	803: 5/6
GRADE	804: 5
GRADE	805: 4/5
GRADE	806: 4/5
GRADE	900: 6
GRADE	901: 6
GRADE	902: 5/6
GRADE	903: 5
GRADE	904: 6

STANDARD INHERENT FR

CIGARETTE TEST EN1021/1	Pass
CIGARETTE TEST BS5852/0	Pass
CALIFORNIA TECHNICAL BULLETIN CAL117/2013	Pass

FLAMMABILITY OPTIONAL

CIGARETTE & MATCH TEST EN1021/1-2	Pass
CIGARETTE & MATCH TEST BS5852/0-1	Pass

CERTIFICATES

REACH	Pass
OEKOTEX standard 100 product class II	Pass

- Remark**

Results shown are the results obtained on the first full batch of this article. Test results may vary from lot to lot.
The minimum guaranteed grade is mentioned below each standard.