

# FAZELON

Only by KOLON

BE TOUGH  
KEEP PUSHING



 KOLON MATERIALS

# WHAT IS FAZELON®?

**FAZELON® is a high strength fabric developed by KOLON.**

Made from high tenacity polyester yarn, it was initially designed to replace PA66 as a material for automotive airbags. Since its successful launch, it is now globally recognized as gold standards for both airbags and seat belts. With its success in the automotive industry, FAZELON® is poised for a bright future in many different industries.

## APPLICATION



## PERFORMANCE

Since airbags and seat belts require materials that must adhere to their highest of standards, FAZELON®'s quality and performance level speak for itself. FAZELON®'s excellent tensile and tear strength, along with its outstanding abrasion resistance, will be perfect for any application that require high performance in high-stakes situations.

## HEAT RESISTANCE

Made from polyester with a melting point of 265°C, FAZELON has an outstanding heat resistance. Rival materials in its class turns stiff and breakable when exposed to high temperature during dyeing, coating, and printing. However, FAZELON maintains its soft touch and high resistance. Moreover, FAZELON maintains its durability and UV resistance even after long exposure to sunlight.

## PRINTING

Thanks to its polyester-base, FAZELON can easily be used for sublimation and digital printing, with greater color clarity and color fastness compared to its nylon rivals.

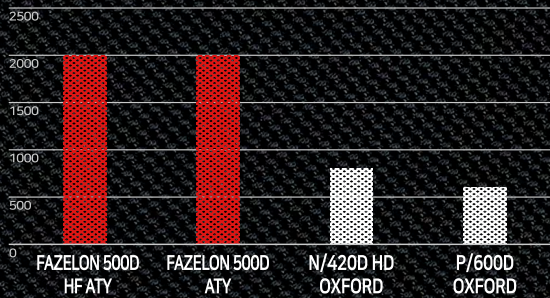
# FAZELON

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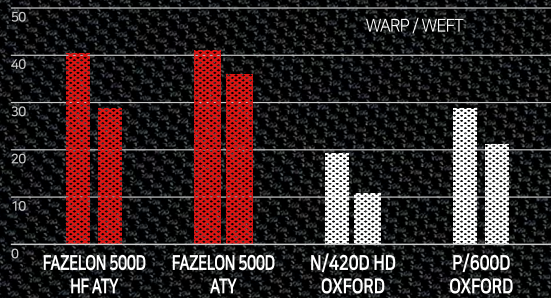
## ABRASION(TABER) / Cycles

- ▶ ASTM D3884-09(R2017)  
H-18 500G, Yarn breakage



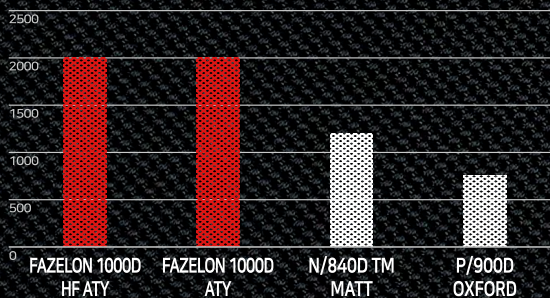
## TEAR STRENGTH / lbf

- ▶ ASTM D2261-13(R2017)  
OPT1 AVG of five highest peaks



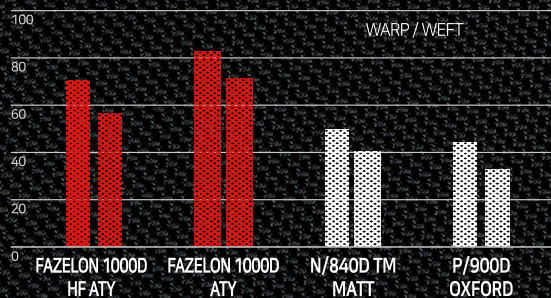
## ABRASION(TABER) / Cycles

- ▶ ASTM D3884-09(R2017),  
H-18 1,000G, Yarn breakage



## TEAR STRENGTH / lbf

- ▶ ASTM D2261-13(R2017)  
OPT1 AVG of five highest peaks



# FAZELON ITEM LIST

NO.	ITEM	CONTENTS	FINISH	WEIGHT	WIDTH
1					
2					
3					
4	FAZELON 440D HYBRID	100% POLYESTER	PD, WR, PU400MM	385G/SQM	57/59"
5					
6					
7					
8					
9	FAZELON 500D BASIC - SOLID	100% POLYESTER	PD, WR, PU1000MM	235G/SQM	57/59"
10					
11	FAZELON 500D BASIC - PRINT	100% POLYESTER	PRINT, WR, PU1000MM	240G/SQM	56/58"
12					
13					
14					
15					
16					
17					
18					
19					
20	FAZELON 500D H/F ATY	100% POLYESTER	PD, WR, PU1000MM	235G/SQM	57/59"
21					
22					
23					
24	FAZELON 500D ATY	100% POLYESTER	PD, WR, PU1000MM	235G/SQM	57/59"
25					
26					
27					
28	FAZELON 1000D H/F ATY	100% POLYESTER	PD, WR, PU1000MM	335G/SQM	57/59"
29					
30					
31					
32	FAZELON 1000D ATY	100% POLYESTER	PD, WR, PU1000MM	335G/SQM	57/59"
33					
34					
35					
36	FAZELON 1000D DOPE DYED	100% POLYESTER	DD, WR, PU1000MM	334G/SQM	57/59"
37	FAZELON 2000D DOPE DYED	100% POLYESTER	DD, WR, PU1000MM	444G/SQM	57/59"
38	FAZELON 1000D DOPE DYED + S.A.F.E MATT	100% POLYESTER	DD, S.A.F.E MATT(FACE)	340G/SQM	57/59"
39	FAZELON 2000D DOPE DYED + S.A.F.E MATT	100% POLYESTER	DD, S.A.F.E MATT(FACE)	445G/SQM	57/59"

## WHAT IS AIR TEXTURED YARN?

The air texturizing process uses an air jet stream to provide the yarn a bulkiness resulting in a similar appearance to the spun yarn. Compared to filament or twisted yarn, the fabric that made of ATY yarn is transformed into a bulky structure and has a warmth and natural touch.

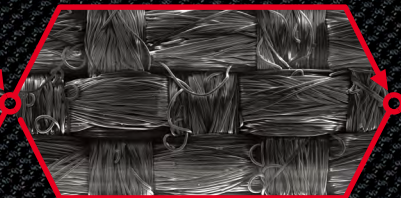
	WARP	WEFT
BASIC	TWISTED YARN	TWISTED YARN
HF ATY	TWISTED YARN	AIR TEXTURED YARN
ATY	AIR TEXTURED YARN	AIR TEXTURED YARN



SCANNING  
ELECTRON  
MICROSCOPE  
(SEM)  
PHOTOS



FAZELON 500D BASIC



FAZELON 500D ATY

## KOLON MATERIALS OVERSEAS BRANCHES

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