



## NüHyde Ultra Abrasion Resistant Finish

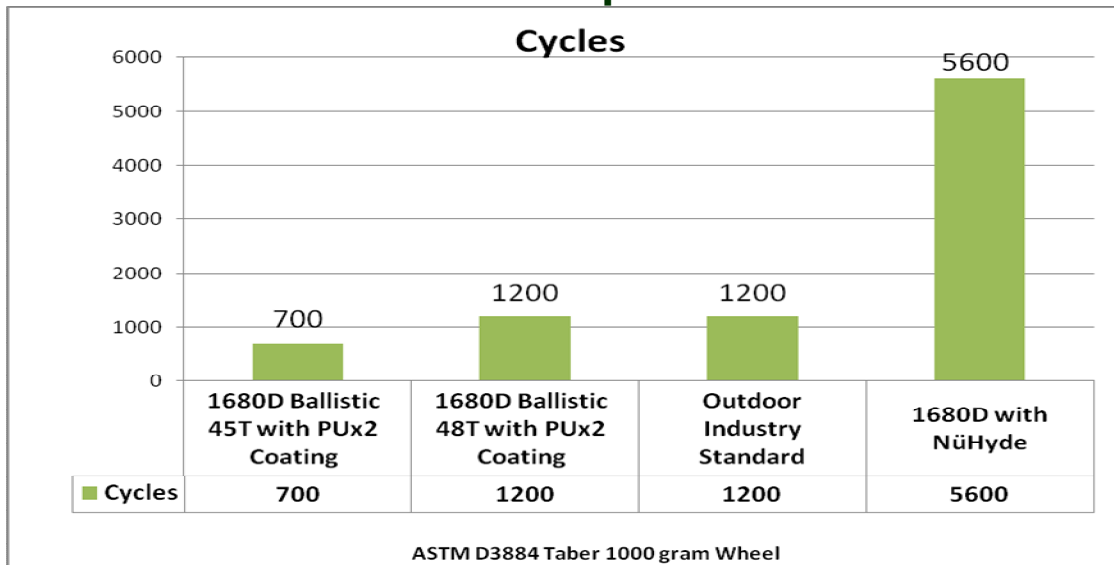
Abrasion is the enemy of the bag on the carousel, the pack being hauled across a rock face, and the daypack thrown across a room while full of books. Nüwa Textiles has come up with solution to these dilemmas. NüHyde is the answer for greater durability for textile products.

NüHyde is a newly developed and patent pending process that increases abrasion resistance by over 450% compared to conventional PU coatings. When fabric yarns are fused with NüHyde its high viscosity content creates a barrier on the surface without compromising the tear and tensile strength.

NüHyde is specially formulated for heavy duty performance designs requiring high abrasion resistance, and strength, and is ideal for luggage, backpacks, and wear areas of garments.

The coating was tested by the independent testing lab SGS using a 1,000 gram Taber wheel and resulted in an increase from 1,200 cycles for a two-times polyurethane coating to 5,600 cycles for NüHyde. The test applies a calibrated weight to an abrasive disc as it turns on a fabric sample. The number of cycles, or complete rotations, gives an indication of how well the fabric will wear in real life.

### Performance Comparison Chart



See attached technical fact sheet for more complete specifications in a variety of fabrics.

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## Nüwa Textiles NüHyde Fact Sheet

### Nylon

N200D	PU2		NüHyde	
	W	F	W	F
Tensile (lb)	147	104	148	106
Tearing (lb)	9	7	9	8
Abrasion 1KG Wheel (Cycles)	150		2,000	

N400D	PU		NüHyde	
	W	F	W	F
Tensile (lb)	246	199	251	193
Tearing (lb)	15	14	19	16
Abrasion 1KG Wheel (Cycles)	300		2,000	

N800D	PU2		NüHyde	
	W	F	W	F
Tensile (lb)	311	291	311	291
Tearing (lb)	42	36	36	32
Abrasion 1KG Wheel (Cycles)	350		3,000	

N1682D	PU2		NüHyde	
	W	F	W	F
Tensile (lb)	409	399	392	375
Tearing (lb)	58	52	51	53
Abrasion 1KG Wheel (Cycles)	500		5,500	

### Polyester

150D rPET	PU2		NüHyde	
	W	F	W	F
Tensile (lb)	107	97	117	83
Tearing (lb)	8	8	8	7
Abrasion 1KG Wheel	100		600	

300D rPET	PU2		NüHyde	
	W	F	W	F
Tensile (lb)	198	144	184	138
Tearing (lb)	17	11	19	14
Abrasion 1KG Wheel	380		1,300	

600D rPET	PU2		NüHyde	
	W	F	W	F
Tensile (lb)	247	232	255	223
Tearing (lb)	22	24	25	22
Abrasion 1KG Wheel	600		1,500	

900D rPET	PU2		NüHyde	
	W	F	W	F
Tensile (lb)	352	344	342	331
Tearing (lb)	59	50	60	47
Abrasion 1KG Wheel	700		2,400	

1200D rPET	PU2		NüHyde	
	W	F	W	F
Tensile (lb)	369	349	369	352
Tearing (lb)	114	100	112	98
Abrasion 1KG Wheel	800		2,500	

Data produced using recycled PET.