



MITSUBISHI RAYON

ACRYLIC FIBER

Vonnel®

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<u>Remarks...</u>	
Shrinkage ranks	RE 0% LH 8~10% MH 12~14% PH 17~20% HB 21~24% HH 26~28% SH 36~40%
Cut length(mm)	Square : 20, 28, 32, 38, 44, 51, 64, 76, 102, 127, 152 VCM - 2 ² / ₁ " ~ 4 ² / ₁ " (64mm~112mm) VCL - 3" ~ 5" (76mm~127mm) VCK - 3 ² / ₁ " ~ 5 ² / ₁ " (89mm~140mm)

Vonnel® ITEM LIST

Special type (function)

Function	Type	Luster	Shrinkage Rank	Dtex	Remarks
Exothermic by light energy and anti-static electricity type	ET10	Bright		3.3	Raw white color with acrylic fiber's original clear colors by dying.
Exothermic type by light energy	HA17	Black		2.2 3.3	Black exothermic type.
Exothermic type by moisture	A651	Bright		1.7 3.3	The function is absorbing moisture from the air and producing an increase in temperature.
Anti-microbial type	B825	Bright		1.3 1.7	These type contain a natural anti-microbial agent (ultra fine grained Chitosan), so it suppresses the growth of staphylococcus aureus and passed JTETC (Japan Textile Evaluation Technology Council) standard for anti-microbial and odor-preventing property.
			PH	1.7	
			HB	1.7	
		Dull	HB	2.2	
	B27	Bright		3.3 5.6 9	
			HB	3.3 5.6 9	
		Dull		3.3	
	B626	Bright		1.7	Anti-pilling type
	B622	Dull		3.3	Low-pilling type
	Water absorption type	H110	Bright		2.2 3.3
H609		Bright		1.7 5.6	

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Special type (function)

Function	Type	Luster	Shrinkage Rank	Dtex	Remarks	
Super Anti-pilling type	H616	Bright		1.7 2.2 3.3	Featuring soft and smooth hand and superior ability in pilling control.	
		Dull		1.7 2.2 3.3		
			Bright		0.8 1	Micro denier type
			Dull		1	
		H549	Bright	LH	2.2	Bicomponent type
		H559	Bright	LH	3.3	Bicomponent type
Anti-pilling type	H612	Dull		3.3		
Super shrinkable type	V85	Bright	SH	2.2 3.3 5.6	Featuring 40% shrinkage.	
High-shrinkage type	V37	Bright	HH	3.3 5.6	26~28% shrinkage	
		Dull	HH	3.3 5.6		
Bicomponent type	V57	Bright	LH-MH	2.2 3.3 5.6	Featuring three-dimension shrinkage	
	V59	Bright	MH	3.3	Higher bulkiness than V57's	

Vonnel® ITEM LIST

Special type (texture)

Function	Type	Luster	Shrinkage Rank	Dtex	Remarks
Micro denier type	H129	Bright		1	Featuring excellent soft hand feeling and better drapery.
			PH	1	
		Dull		1	
	H616	Bright		0.8 1	Anti-pilling type
		Dull		1	
	H539	Bright	LH	1.1	Bicomponent type
	H402	Full-dull		1	Mat dull type
Fine denier type	V35	Bright		1.3	Featuring soft hand
	H845	Bright		1.4	
Better hand type	V81	Bright		3.3	Featuring soft hand feeling better tactile touch and natural luster.
			PH	3.3	
		Dull		2.2 3.3	
			PH	2.2 3.3	
Better hand mat dull type	H305	Full-dull		3.3	Featuring soft and smooth touch.
Super bright type	V86	Bright		5.6 9	Brilliantly-colored type.
	H203	Bright		3.3	Silky luster type
Hardly dying type	H303	Bright		5.6	Hardly dying by Cationic ingredient.

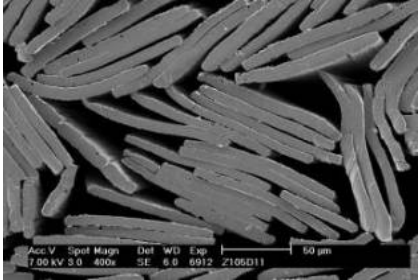
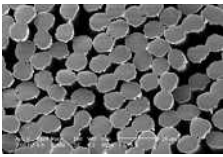
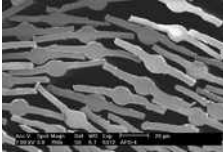
Vonnel® ITEM LIST

Special type (texture)

Function	Type	Luster	Shrinkage Rank	Dtex	Remarks
Mat dull type	H402	Full-dull		1.7 3.3 5.6 9	Featuring soft pastel coloring.
			PH	3.3	

Vonnel® ITEM LIST

Special cross-section type

Function	Type	Luster	Shrinkage Rank	Dtex	Remarks
Flat cross-section type	H155	Bright		3.3 5.6 7.8 11 17	For faux fur like real fur. The fur fabric which is made of this fiber have well-standing piles and soft hand. 
		Dull		3.3 5.6 11 17	
	H105	Full-dull		3.3 5.6 7.8 11 17	
Goggle cross-section type	H141	Dull		2.2 3.3 5.6	Featuring soft and smooth touch. 
UFO cross-section type	H180	Bright		6.6	Featuring high elasticity, vertical standing pile, and tanglefree. 
		Dull		3.3 6.6	
	H130	Full-dull		6.6	
Super thick flat cross-section type	H135	Full-dull		22 33	Super thick "H105" type
Super bright flat cross-section type	H255	Bright		22	Brighter luster than H135's

Vonnel® ITEM LIST

Special cross-section type

Function	Type	Luster	Shrinkage Rank	Dtex	Remarks
Producer dyed special cross-section type	H955	Black		3.3	Black "H155" type
				5.6 11	
Producer dyed special cross-section type	H941	Black		3.3	Black "H141" type
				5.6	
Super shrinkable (by dry hot air) type	BD85	Black	SH	3.3	Black type super shrinkable by dry hot air function.
	VD85	White	SH	3.3	Raw white type
Producer dyed super shrinkable type	H984	Black	SH	4.4	Black producer dyed fiber with super shrinkable function.

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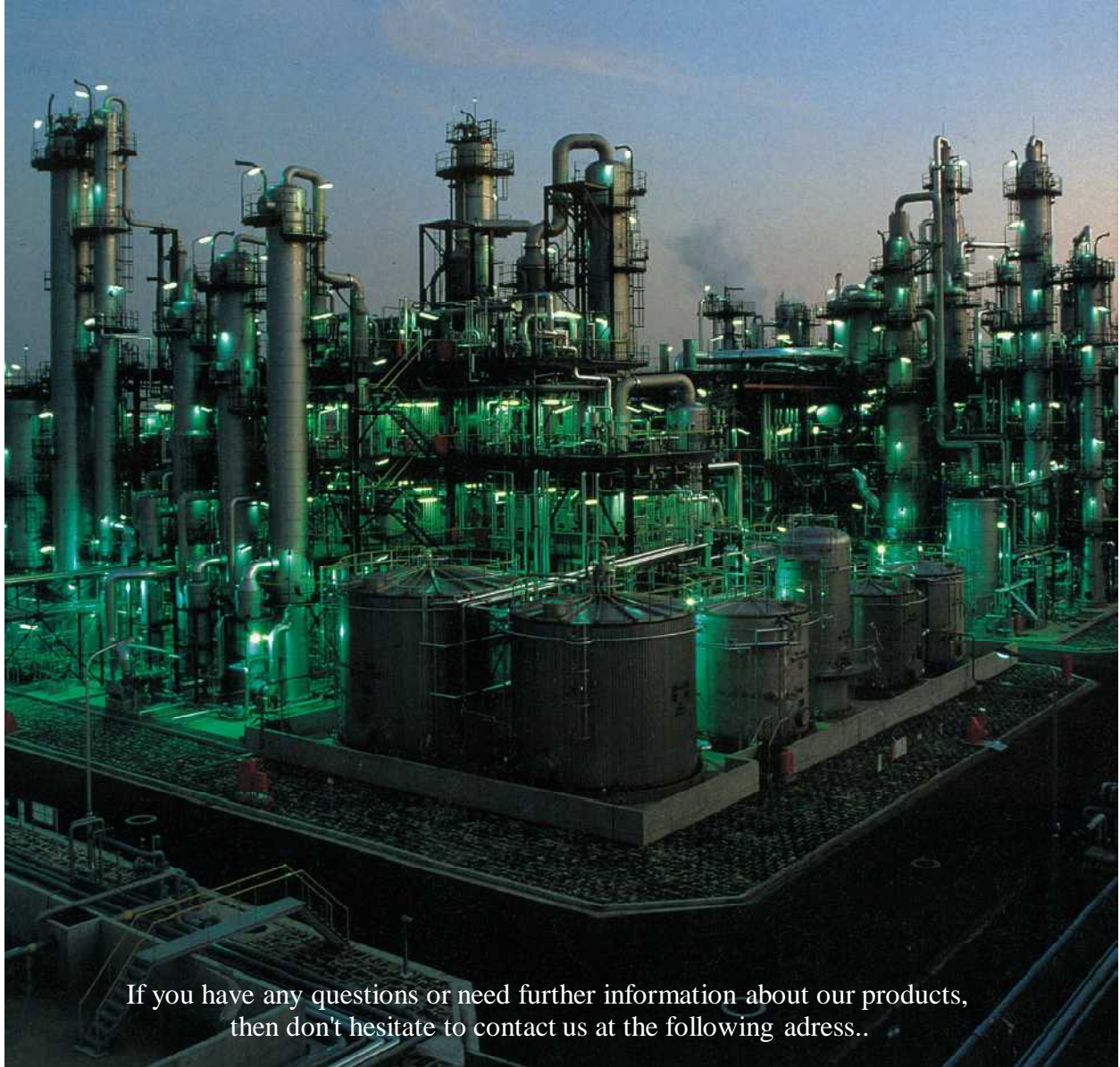
Regular type

Function	Type	Luster	Shrinkage Rank	Dtex	Remarks
Regular type	H815	Bright		1.7 2.2	
			PH	1.7	
			HB	2.2	
		Dull		1.7 2.2	
			HB	1.7 2.2	
	V17	Bright		3.3 5.6 9 11 17	
			PH	3.3 5.6	
			HB	3.3 5.6 9	
Dull			3.3 5.6 9 11 17		
		PH	3.3		
		HB	3.3 5.6		

Vonnel® ITEM LIST

Tow

Function	Type	Luster	Dtex	Total ktex	Remarks
Regular type	H815	Bright	1.7 2.2	106 107	Improve easy-breaking property, less fly and wide working range.
		Dull	1.7 2.2	106 107	
	S21	Bright	3.3 5.6	107 107	
		Dull	3.3	107	
Fine denier type	H129	Bright	1	90	Featuring excellent soft hand feeling and better drapery.
		Dull	1	90	
	H616	Dull	1	90	Anti-pilling type
Anti-pilling type	H616	Bright	1.7 2.2	107 107	Featuring soft hand feeling like cashmere and superior ability in anti-pilling.
		Dull	1.7 2.2	107 107	
	H549	Bright	2.2	107	Bicomponent type
Super bright type	H235	Bright	3.3	100	Trilobal type, featuring super bright luster like shining glass.
Goggle cross-section type	H140	Dull	2.2	107	Featuring soft and smooth touch.
Anti-microbial type	B825	Dull	1.7	106	Refer to the remarks of "B27".
Bicomponent type	V57	Bright	5.6	88	Featuring three-dimension shrinkage



If you have any questions or need further information about our products,
then don't hesitate to contact us at the following address..

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