



ENGINEERED FIBERS TECHNOLOGY, LLC

KURALON PVA / PVOH FIBERS For PAPERMAKING APPLICATIONS

General Characteristics

‘KURALON’ is a synthetic fiber made from polyvinyl alcohol polymer, which is normally a water soluble polymer. By use of a special spinning technology, Kuraray is able to supply both water soluble and water insoluble

‘KURALON’ fibers for paper industry. Water soluble types work as a binder in the paper making process, and water insoluble types work as subject material or the matrix of paper. Water soluble types can be provided over a range of dissolving temperatures. The general characteristics that make PVA useful in papermaking applications include:

- **Good dispersion**
- **Dissolves in water (binder fiber)**
- **Good bonding effect (binder fiber)**
- **Improves paper strength**
- **Good resistance to alkaline conditions**

‘KURALON’ PVA Fiber for Paper Making

Standard types of ‘KURALON’ short cut fiber for paper making

Type No.	Product Number	Denier	Diameter (μ)	Soluble Temp. in Water (°C)	Cut Length (mm)
Subject fiber	VPB033	0.3	6	more than 100	2
	VPB053	0.5	7	more than 100	2,3
	VPB102	1.0	11	99	5
	VPB103	1.0	11	more than 100	3,5
	VPB203	2.0	15	more than 100	6
	VPB303	3.0	18	more than 100	7,9
Binder fiber	VPB041(New)	0.4	6	80	3
	VPB071	0.7	9	80	3
	VPB101	2.6	17	80	4
	VPB105-1	1.0	11	70	4
	VPB105-2	1.0	11	60	4

Applications of ‘KURALON’ short cut fibers

Battery separator paper
Filtration media
Binder for glass paper
Other Specialty Papers

All the above products are produced by Kuraray at their Okayama, Japan plant, which is approved to ISO9001 quality certifications.