

# 長春石油化學股份有限公司

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## PVA Main Grades and Specifications

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By lsshi

### 1. Standard Grades

Grade	Viscosity <sup>(1)</sup> (cps)	Hydrolysis (mole %)	Volatile (wt%)	Ash <sup>(2)</sup> (wt%)	pH <sup>(3)</sup>
<b>Fully Hydrolyzed</b>					
BF-26	70-80	98.5-99.2	<5	<0.7	5-7
BF-24	58-68	98.5-99.2	<5	<0.7	5-7
BF-24E	58-66	97-98.5	<5	<0.7	5-7
BF-17H	25-30	99.4-99.8	<5	<0.7	5-7
BF-17	25-30	98.5-99.2	<5	<0.7	5-7
BF-17E	25-30	97-98.5	<5	<0.7	5-7
BF-17W	25-30	95-97	<5	<0.7	5-7
BF-14	13-16	98.5-99.2	<5	<0.7	5-7
BF-14W	13-16	95-97	<5	<0.7	5-7
BF-08	8-10	98.5-99.2	<5	<0.7	5-7
BF-05	5-6	98.5-99.2	<5	<0.7	5-7
BF-04	4-5	98-98.8	<5	<1	5-7
BF-03	3-4	98-98.8	<5	<1	5-7
<b>Partially Hydrolyzed</b>					
BP-28	60-70	86-89	<5	<0.5	5-7
BP-26	50-58	86-89	<5	<0.5	5-7
BP-24	44-50	86-89	<5	<0.5	5-7
BP-20	27-33	86-89	<5	<0.5	5-7
BP-20H	27-33	90-93	<5	<0.5	5-7
BP-17	21-26	86-89	<5	<0.5	5-7
BP-14	11-14	86-89	<5	<0.5	5-7
BP-08	8-10	86-89	<5	<0.5	5-7
BP-05	5-6	86-89	<5	<0.5	5-7
BP-04	4-5	86-89	<5	<0.5	5-7
BP-03	3-4	86-89	<5	<0.5	5-7

<b>Sub- Partially Hydrolyzed (* For PVC)</b>					
BC-24*	44-52	78.5-81.5	<5	<0.3	5-7
BC-20*	36-42	78.5-81.5	<5	<0.3	5-7
TC-07H*	5.5-6.5	76-79	<5	<1	5-7
TC-07P*	5.5-6.5	69-72	<5	<1	5-7
BC-05	5-6	72-76	<5	<0.5	5-7
<b>Low Ash</b>					
BP-17G	21-26	86-89	<5	<0.3	5-7
BP-05G	5-6	86-89	<5	<0.3	5-7

## 2. Low Foaming Grades

BP-05A	Specification is same as BP-05, and with better defoaming property.
BP-14A	Specification is same as BP-14, and with better defoaming property.
BP-17A	Specification is same as BP-17, and with better defoaming property.
BP-20A	Specification is same as BP-20, and with better defoaming property.
BP-24A	Specification is same as BP-24, and with better defoaming property.

## 3. Tackified Grades

Grade	Viscosity <sup>(4)</sup> (cps)	pH
AW-401	4,200 ~ 6,000	4.0 ~ 4.8
AW-201	1,200 ~ 2,000	4.0 ~ 4.8

## 4. Fine Particle<sup>(5)</sup> Grades, S-grades

BF-17S	Specification is same as BF-17, and with particle pass 80 mesh screen
BP-05S	Specification is same as BP-05, and with particle pass 80 mesh screen
BP-17S	Specification is same as BP-17, and with particle pass 80 mesh screen
BP-20S	Specification is same as BP-20, and with particle pass 80 mesh screen
BP-24S	Specification is same as BP-24, and with particle pass 80 mesh screen

### Remark:

- (1) Viscosity of a 4.00 wt % standard grade PVA solution at 20.0 °C which is determined by Brookfield Viscometer LVF mode with UL adapter.
- (2) Calculated as Na<sub>2</sub>O.
- (3) pH is determined by pH meter at 20°C
- (4) Viscosity of a 10 wt % tackified grade PVA solution which is determined by Brookfield Viscometer at 25°C
- (5) Particle size of standard grades is all passes through 10-mesh ( 2.0 mm ) screen.
- (6) Any Special Grades ( besides above ) can be made according to customer's requirements.