

CHANG CHUN PETROCHEMICAL CO., LTD.

NO. 301 SONGKIANG ROAD 7FL., TAIPEI 10477 TAIWAN

TEL: 886-2-25001800 , FAX: 886-2-250333

PVA Grades and Specifications

Revised date : Oct. 20, 2004

By Isshi

1. Standard Grades

Grade	Viscosity ⁽¹⁾ (cps)	Hydrolysis (mole %)	Volatile (wt%)	Ash ⁽²⁾ (wt%)	pH ⁽³⁾
Fully Hydrolyzed					
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
Partially Hydrolyzed					
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
Sub- Partially Hydrolyzed (* For PVC)					
BC-24*	44-52	78.5-81.5	<5	<0.3	5-7

BC-24P*	38-44	75.5-77.5	<5	<0.3	5-7
BC-20*	36-42	78.5-81.5	<5	<0.3	5-7
BC-20P*	28-33	74-76	<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
Low Ash					
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-17A	Specification is same as BP-17, and with better defoaming property.
BP-14A	Specification is same as BP-14, 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 ⁽⁴⁾ (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⁽⁵⁾ 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 Na₂O.
- (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 screen.