

## PRODUCT SPECIFICATION

# Polyvinyl Alcohol

- Chemical Name** : Polyvinyl Alcohol
- Molecular Formula** :  $[C_2H_4O]_n$
- HS Code** : 3905300000      **CAS number** : 9002-89-5
- UN Code** : Not Applicable      **DG Class/PKG GP** : Not Applicable
- Applications** : It is mainly used for the feedstock of vinylon fibre, PVB, textile size, paper sizing glue, pigment carrier, paper glue, adhesive of Construction coating, building material glue, film, stabilizing agent for polyvinyl acetate emulsion, PVA rubber.
- Packaging** : 20kg per bag, 16MT per 20-ft FCL container with pallet.  
18MT per 20-ft FCL container without pallet.
- Appearance** : White (Slightly yellowish) granules or powder

| Grades  | New Name | Hydrolysis (mol%) | Volatiles (%) | Viscosity (mpa.s) | Ash (wt%) | pH Value | Purity (wt%) |
|---------|----------|-------------------|---------------|-------------------|-----------|----------|--------------|
| PVA0388 | 088-03   | 87.0 – 89.0       | ≤5.0          | 3.0-4.0           | ≤0.7      | 5-7      | ≥93.0        |
| PVA0488 | 088-04   | 87.0 – 89.0       | ≤5.0          | 4.0-4.5           | ≤0.7      | 5-7      | ≥93.0        |
| PVA0498 | 098-04   | 98.0 – 98.8       | ≤5.0          | 4.0-5.0           | ≤0.5      | 5-7      | ≥93.5        |
| PVA0588 | 088-05   | 87.0 – 89.0       | ≤5.0          | 4.5-6.0           | ≤0.5      | 5-7      | ≥93.5        |
| PVA0599 | 098-05   | 98.0 – 99.0       | ≤5.0          | 5.0-6.5           | ≤0.5      | 5-7      | ≥93.5        |
| PVA0888 | 088-07   | 87.0 – 89.0       | ≤5.0          | 6.5-7.5           | ≤0.7      | 5-7      | ≥93.0        |
| PVA1088 | 088-08   | 87.0 – 89.0       | ≤5.0          | 8.0-10.0          | ≤0.5      | 5-7      | ≥93.5        |
| PVA1098 | 098-10   | 97.0 – 99.0       | ≤5.0          | 8.0-12.0          | ≤0.5      | 5-7      | ≥93.5        |
| PVA1099 | 098-08   | 98.0 – 99.0       | ≤5.0          | 9.0-11.0          | ≤0.5      | 5-7      | ≥93.5        |
| PVA1388 | 088-13   | 87.0 – 89.0       | ≤5.0          | 12.0-14.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA1399 | 098-15   | 98.0 -99.0        | ≤5.0          | 13.0-17.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA1493 | 093-16   | 92.5– 94.5        | ≤5.0          | 14.5-18.5         | ≤0.5      | 5-7      | ≥93.5        |
| PVA1588 | 088-17   | 87.0 – 89.0       | ≤5.0          | 15.0-19.0         | ≤0.5      | 5-7      | ≥93.5        |

| Grades  | New Name | Hydrolysis (mol%) | Volatiles (%) | Viscosity (mpa.s) | Ash (wt%) | pH Value | Purity (wt%) |
|---------|----------|-------------------|---------------|-------------------|-----------|----------|--------------|
| PVA1599 | 098-20   | 98.0 – 99.0       | ≤5.0          | 18.0-22.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA1788 | 088-20   | 87.0 – 89.0       | ≤5.0          | 20.5-24.5         | ≤0.4      | 5-7      | ≥93.5        |
| PVA1792 | 092-20   | 91.0 – 93.0       | ≤5.0          | 21.0-27.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA1795 | 094-27   | 94.0 – 96.0       | ≤5.0          | 22.0-28.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA1797 | 096-27   | 96.0 – 98.0       | ≤5.0          | 23.0-29.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA1799 | 098-27   | 98.0 – 99.0       | ≤5.0          | 23.0-29.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA1888 | 088-26   | 87.0 – 89.0       | ≤5.0          | 24.0-28.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA1895 | 095-28   | 94.0 – 96.0       | ≤5.0          | 26.0-30.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA1897 | 097-29   | 96.0 – 98.0       | ≤5.0          | 27.0-31.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA1899 | 098-30   | 98.0 – 99.0       | ≤5.0          | 28.0-32.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA2088 | 088-35   | 87.0 – 89.0       | ≤5.0          | 29.0-34.0         | ≤0.3      | 5-7      | ≥93.5        |
| PVA2288 | 088-40   | 87.0 – 89.0       | ≤5.0          | 38.0-42.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA2299 | 098-45   | 98.0 – 99.0       | ≤5.0          | 42.0-48.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA2488 | 088-50   | 87.0 – 89.0       | ≤5.0          | 45.0-55.0         | ≤0.3      | 5-7      | ≥93.5        |
| PVA2492 | 092-53   | 91.0 – 93.0       | ≤5.0          | 48.0-58.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA2497 | 097-60   | 96.0 – 98.0       | ≤5.0          | 56.0-66.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA2499 | 098-60   | 98.0 – 99.0       | ≤5.0          | 58.0-68.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA2688 | 088-60   | 86.0 – 87.0       | ≤5.0          | 50.0-58.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA2697 | 097-70   | 96.0 – 98.0       | ≤5.0          | 66.0-76.0         | ≤0.5      | 5-7      | ≥93.5        |
| PVA2699 | 098-78   | 98.0 – 99.0       | ≤5.0          | 73.0-83.0         | ≤0.5      | 5-7      | ≥93.5        |