Nan Ya high impact PVC vinyl adhesive

Nan Ya high impact PVC vinyl adhesive is exclusively used for high impact PVC pipes, and has ultra high strength that is about 4 times the strength of its vinyl adhesive for rigid vinyl products. Taper Socket jointing can be carried out without heating the fittings, so construction can be carried out under any temperature. High impact PVC vinyl adhesive is used for jointing all high impact PVC pipes.

- Do not eat, keep away from children
- Type of packaging : 1KG
Nan Ya HIGH-IMPACT PVC PIPE

• Characteristics
  • Ultra high impact resistance several times that of typical PVC pipes.
  • Ultra high seismic resistance.
  • Light weight; convenient for transportation, loading/unloading, and construction.
  • Excellent acid and alkali resistance and corrosion resistance.
  • No affect on water quality.
  • Excellent electrical insulation.
  • Low fluid friction and water scale is not easily formed.
  • Impact-resistant rubber rings with high flexibility and water tightness.
  • Easy for construction.

• Specifications
  • Specifications for high impact PVC long ring-seal (type A) and flexible ring-seal (type B):

<table>
<thead>
<tr>
<th>Nominal pipe size (unit)</th>
<th>mm / inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 50 65 80 100 125 150 200 250 300 350 400 450 500 600</td>
<td></td>
</tr>
<tr>
<td>11/2&quot; 2&quot; 21/2&quot; 3&quot; 4&quot; 5&quot; 6&quot; 8&quot; 10&quot; 12&quot; 14&quot; 16&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Note: The specifications above are for heavy duty ring seals

• Specifications for high impact PVC pipes:

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<tr>
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<tr>
<td>13 16 20 25 27 30 35 40 50 65 80 100 125 150 200 250 300 350 400 450 500 600</td>
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<tr>
<td>3/8&quot; 1/2&quot; 3/4&quot; 1&quot;-W 1&quot; 1 1/4&quot;-W 11/4&quot; 11/2&quot; 2&quot; 21/2&quot; 3&quot; 4&quot; 5&quot; 6&quot; 8&quot; 10&quot; 12&quot; 14&quot; 16&quot; 18&quot; 20&quot; 24&quot;</td>
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• Nan Ya high impact PVC vinyl adhesive is recommended.

• Testing under room temperature (20±15°C):

<table>
<thead>
<tr>
<th>Test item</th>
<th>Nominal pipe size of test piece</th>
<th>Shape of test piece</th>
<th>Size of test piece</th>
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<tbody>
<tr>
<td>Hydrostatic pressure repeated bending test</td>
<td>50</td>
<td>Straight pipe</td>
<td>1,000mm or longer</td>
<td>Total length reaching 2,000 mm or above after jointing</td>
</tr>
<tr>
<td>High impact flexible ring seal</td>
<td>100</td>
<td>Fittings</td>
<td>Coupling</td>
<td>800mm or longer</td>
</tr>
<tr>
<td>High impact flexible ring seal</td>
<td>100</td>
<td>Straight pipe</td>
<td>800mm or longer</td>
<td>Total length reaching 1,700 mm or above after jointing</td>
</tr>
<tr>
<td>Pipe shear test</td>
<td>50</td>
<td>Straight pipe</td>
<td>1,000mm or longer</td>
<td>Total length reaching 2,000 mm or above after jointing</td>
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<tr>
<td>Pipe and fitting joint elongation test</td>
<td>50</td>
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<td>Coupling</td>
<td>250mm or longer</td>
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(A) Hydrostatic pressure repeated bending test:

1. Taper Socket jointing method
   Install the pipe on a testing machine and enhance the water pressure to 17.5kgf/cm². With the condition of range above ±4° and oscillation frequency above 30 times/min, do the testing of oscillate at least 2,400 times. Check the cracks or leakage.

2. High impact flexible ring seal jointing method
   Install the pipe on a testing machine and enhance the water pressure to 17.5kgf/cm². With the condition of range above ±5° and oscillation frequency above 30 times/min, do the testing of oscillate at least 2,400 times. Check the cracks or leakage.

(B) Pipe shear test:

   Install the pipe on a testing machine and enhance the water pressure to 17.5kgf/cm². With one end fixed, raise the other end to 300mm at the speed of 10mm/min. After maintaining for one minute, check the cracks or leakage.

(C) Pipe and fitting joint elongation test:

   Install the pipe on a testing machine, fix the two ends and extend the length of the pipe in vertical direction by a total of 5% at the speed of 10mm/min. Check if there is any detachment or crack.

Applications

1. Drinking water engineering
2. Construction engineering
3. Electrical engineering
4. Telecommunications engineering
5. Freeway engineering
6. Mining Plant
7. Chemical engineering
8. Well drilling engineering
9. Tunnel engineering
10. Salt water engineering
11. Paper making engineering
12. Acidifying & Fermenting plant
13. Farmland and orchard engineering
14. Freeway engineering
15. Freeway engineering
16. Mining Plant
17. Aquaculture
18. Golf course engineering
19. Fishery use for raft
20. Pressure pipe engineering in seismic regions and urban areas with busy traffic
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• **Applications**
  1. Drinking water engineering
  2. Construction engineering
  3. Electrical engineering
  4. Telecommunications engineering
  5. Electric power engineering
  6. Sewer engineering
  7. Chemical engineering
  8. Well drilling engineering
  9. Tunnel engineering
  10. Salt water engineering
  11. Paper making engineering
  12. Acidifying & Fermenting plant
  13. Farmland and orchard engineering
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  20. Pressure pipe engineering in seismic regions and urban areas with busy traffic

• **Specifications**

  • **Specifications for high impact PVC long ring-seal (type A) and flexible ring-seal (type B):**

    | Nominal pipe size (unit): mm / inch | Type A | Type B |
    |-----------------------------------|--------|--------|
    | 40 50 65 80 100 125 150 200 250 300 350 400 | ![Type A Diagram] | ![Type B Diagram] |

  Note: The specifications above are for heavy duty ring seals

  • **Specifications for high impact PVC pipes:**

    | Nominal pipe size (unit): mm / inch |
    |-----------------------------------|
    | 13 16 20 25 27 30 35 40 50 65 80 100 125 150 200 250 300 350 400 450 500 600 |
    | 3/8" 1/2" 3/4" 1"-W 1" 11/4"-W 11/2" 2" 21/2" 3" 4" 5" 6" 8" 10" 12" 14" 16" 18" 20" 24" |

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<td></td>
</tr>
<tr>
<td>100</td>
<td>High impact ring seal</td>
<td>800mm or longer</td>
<td>Total length reaching 1,700 mm or above after jointing</td>
<td>1</td>
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<td>Pipe and fitting joint elongation test</td>
<td>50</td>
<td>Straight pipe</td>
<td>250mm or longer</td>
<td>Total length reaching 550 mm or above after jointing</td>
</tr>
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**Certificate of CNS Mark approval**