


**Formosa Plastics®**
**Formolon® PVC**

## Formolon®-24A

### PVC Homopolymer Dispersion Resin

F-24A is a low molecular weight PVC homopolymer dispersion resin which has been developed primarily for use in chemically expanded compounds as well as other applications where rapid gelation and physical property development at low temperature are required. In expanded systems, the product exhibits a fine uniform cell structure in a variety of formulations and over a wide range of processing conditions. F24A is further characterized as displaying good plastisol viscosity and viscosity stability.

#### TYPICAL RESIN PROPERTIES

|                    |                        |       |
|--------------------|------------------------|-------|
| Relative Viscosity | ASTM D2857             | 2.18  |
| Inherent Viscosity | ASTM D1243             | 0.92  |
| K-Value            | Fikentscher's constant | 65    |
| Volatiles          | ASTM D3030             | 0.3%  |
| Methanol extract   | ASTM D2222             | 1.8 % |

#### TYPICAL PLASTISOL<sup>1</sup> PROPERTIES

|                      |            |                     |           |
|----------------------|------------|---------------------|-----------|
| Brookfield Viscosity | ASTM D1824 | 2 rpm aged 2 hrs    | 125 poise |
|                      |            | 20 rpm aged 2 hrs   | 70 poise  |
| Severs Viscosity     | ASTM D1823 | 100 psig aged 2 hrs | 70 poise  |
| Gelation Temperature |            |                     | 165 °F    |

500 gm resin and 300 gm DOP, Hobart mixer mixed 5 min. @ No. 1 speed and 10 min. @ No. 2 speed, undeaerated.

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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