



## DINGNUO POLYMER TECHNOLOGY GROUP CO., LTD

Rm. 1201-1, 12/F, Lingshan East Rd., Tianhe Dist., Guangzhou, Guangdong, China

TEL: +86-020-82386132; FAX: +86-020-82386132

Email: saleservice@dingnuo-polymer.com

### PVC Matting RESIN SG-3

#### **PROPERTY:**

Polyvinyl chloride (PVC) resin is a white thermoplastic powder produced by suspension polymerization, featuring good chemical resistance, corrosion resistance, and dielectric properties. With appropriate additives (e.g. plasticizer, stabilizer), it can be processed into various finished products with different physical and mechanical properties.

SG-3 has an average degree of polymerization of around 1300 (1251-1370). Compared with SG-5, it features higher molecular weight and viscosity, making it more suitable for applications requiring **enhanced flexibility, elasticity and mechanical performance**.

Matting SG-3 is a modified SG-3 grade added matting agent, featuring a **smooth, matte appearance while maintaining all properties of SG-3**.

#### **APPLICATION:**

Matting SG-3 is used for PVC flexible products requiring a matte finish, including films, sheets, cable and wire insulation, tubes, hoses, artificial leather, footwear materials, indoor sports flooring, medical items like gloves and tubing, etc.

#### **SPECIFICATION:**

| Item of Analysis                               | Unit                     | Value     |
|--|--------------------------|-----------|
| Degree of Polymerization                       |                          | 1251~1370 |
| K Value  |                          | 71~72     |
| Viscosity                                      | ml/g                     | 127~135   |
| The Number of Impurities and Foreign Particles | pcs ≤                    | 16        |
| Volatile Matter                                | % ≤                      | 0.3       |
| Bulk Density                                   | g/ml ≥                   | 0.45      |
| Residue on 250µm Sieve Screenings              | % ≤                      | 1.6       |
| Residue on 63µm Sieve Screenings               | % ≥                      | 97        |
| The Number of "Fish Eyes"                      | pcs/400cm <sup>2</sup> ≤ | 20        |
| Plasticizer Absorption of 100g PVC resin       | g ≥                      | 26        |
| Whiteness (160°C, 10min)                       | % ≥                      | 78        |
| VCM Residual                                   | µg/g ≤                   | 5         |
| Water Extract Conductivity                     | µs/(cm·g) ≤              | 5         |

#### **PACKING:**

In 25kg kraft paper & woven pp compound bags, total 17MT per 20' FCL or 28MT per 40' FCL

#### **STORAGE/TRANSPORTATION:**

Store in dry, well-ventilated warehouse, avoid direct sunlight and moisture exposure.