

Vinnolit® EP 7091

Polyvinyl Chloride Homopolymer

Vinnolit GmbH & Co. KG

Message:

Vinnolit EP 7091 is a medium molecular weight emulsion type PVC homopolymer with a medium-high emulsifier content. It produces plastisols exhibiting high viscosity and high yield value at low shear rates with pronounced pseudoplastic flow properties at high shear rates with medium-high plasticizer levels (70-100 phr).This grade can be used in blends to generally increase low shear viscosity and reduce dilatancy. It gives good thermal stability with a wide range of stabiliser types. The use of high speed type mixers is recommended.

| General Information | | | |
|---|-------------------------|-------------------|-------------|
| Features | Medium Molecular Weight | | |
| Uses | Blending | | |
| Agency Ratings | EC 1907/2006 (REACH) | | |
| Processing Method | Plastisol | | |
| Physical | Nominal Value | Unit | Test Method |
| Apparent Density | 0.46 | g/cm ³ | ISO 60 |
| K-Value | 70.0 | | ISO 1628-2 |
| Viscosity Number (Reduced Viscosity) | 124.0 | ml/g | ISO 1628 |
| Emulsifier Content | Medium | | |
| Particle Size Distribution ¹ | < 2.0 | % | ISO 4610 |
| Volatile Matter | < 0.30 | % | ISO 1269 |
| NOTE | | | |

1. retained on 0.063 mm screen

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