# Geon™ 170 Series 173

Polyvinyl Chloride Homopolymer

Mexichem Specialty Resins, Inc.

## Message:

Geon™170 Series 173 is a polyvinyl chloride homopolymer (PVC homopolymer) material. The product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing methods are: hot melt, dip coating or coating.
Geon™The main features of 170 Series 173 are:
high gloss
Transparency

| General Information | |
|---|---|
| Features | Highlight<br>Definition, high |
| Forms | Powder 1 |
| Processing Method | Hot Melt<br>Impregnation coating method<br>Coating |

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Specific Gravity | 1.40 | g/cm³ | ASTM D792 |
| Apparent Density | 0.27 | g/cm³ | |
| K-Value [1] | 69.0 | | Internal method |
| Intrinsic Viscosity [2] | 1.0 | | Internal method |
| Water content-Karl Fisher [3] | 0.090 | % | Internal method |
| Relative viscosity-Cyclohexanone 1% | 2.37 | | |
| Optimal stretching | 16.4 | MPa | ASTM D638 |
| Gloss-60 degree fused 5 mins @ 350F [4] | 92 | % | Internal method |
| Transparency-light transmittance [5] | 95 | % | Internal method |
| Brokfield Viscosity [6] | | | Internal method |
| Initial @ 2 rpm | 4.35 | Pa·s | Internal method |
| Initial @ 20 rpm | 3.33 | Pa·s | Internal method |
| One Day @ 2 rpm | 6.45 | Pa·s | Internal method |
| One Day @ 20 rpm | 4.20 | Pa·s | Internal method |
| Cut off outflow [7] | 252.00 | g/10 min | Internal method |
| North fineness [8] | 5.25 | Hegman | Internal method |
| Residual Vinyl Chloride Monomer [9] | | ppm | Internal method |
| Methanol extractable [10] | 1.3 | % | Internal method |
| polymerization process | Emulsion | | |
| Gel temperature [11] | 87 | °C | Internal method |

| Additional Information | Nominal Value | Unit | Test Method |
|---|---|---|---|

Test Method Formulas"ALTC" and "ASTM" Ingredients and Level
Resin: 100 phr
DINP: 57 phr
ESO: 3 phr
Therm-Chek SP 120 LOHF: 2 phr
"STP" (all except Fog) Ingredients and Level
Resin: 100 phr
DOP: 60 phr
"STP" (Fog only) Ingredients and Level
Resin: 100 phr
DUP: 80 phr

| NOTE | |
|---|---|
| 1. | 0.5g/100ml |
| 2. | ASTM D 1243 60 A |
| 3. | STP 683 |
| 4. | ALTC 65 |
| 5. | ATLC 66 |
| 6. | ALTC 22 |
| 7. | STP 1010 |
| 8. | STP 390 |
| 9. | STP 1005 |
| 10. | STP 894 |
| 11. | ATLC 29 |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT