

# Geon™ 170 Series 172

Polyvinyl Chloride Homopolymer  
Mexichem Specialty Resins, Inc.

Message:

Geon™ 170 Series 172 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 172 are:

- high gloss
- high strength
- Transparency

General Information	
Features	Highlight
	High strength
	Definition, high
Forms	Powder 2
Processing Method	Hot Melt
	Impregnation coating method
	Coating

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm <sup>3</sup>	ASTM D792
Apparent Density	0.27	g/cm <sup>3</sup>	
K-Value <sup>1</sup>	82.0		Internal method
Intrinsic Viscosity <sup>2</sup>	1.4		Internal method
Water content-Karl Fisher <sup>3</sup>	0.090	%	Internal method
Relative viscosity-Cyclohexanone 1%	3.04		
Optimal stretching	19.0	MPa	ASTM D638
Gloss-60 degree fused 5 mins @ 350F <sup>4</sup>	87	%	Internal method
Transparency-light transmittance <sup>5</sup>	95	%	Internal method
Brokfield Viscosity <sup>6</sup>			Internal method
Initial @ 2 rpm	5.45	Pa · s	Internal method
Initial @ 20 rpm	3.03	Pa · s	Internal method
One Day @ 2 rpm	8.08	Pa · s	Internal method
One Day @ 20 rpm	4.55	Pa · s	Internal method
Cut off outflow <sup>7</sup>	252.00	g/10 min	Internal method
North fineness <sup>8</sup>	5.25	Hegman	Internal method
Residual Vinyl Chloride Monomer <sup>9</sup>		ppm	Internal method
Methanol extractable <sup>10</sup>	1.3	%	Internal method
polymerization process	Emulsion		
Gel temperature <sup>11</sup>	98	°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

