

# Geon™ 210 Series 218

Polyvinyl Chloride Homopolymer

Mexichem Specialty Resins, Inc.

## Message:

Geon™ 210 Series 218 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: slush molding, rotational molding, dip coating or coating.

Geon™ Typical application areas of 210 Series 218 are: additives/masterbatch

General Information			
Uses	Mixing		
Forms	Powder 1		
Processing Method	Slush Molding		
	rotomolding		
	Impregnation coating method		
	Coating		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm <sup>3</sup>	ASTM D792
Apparent Density <sup>1</sup>	0.55	g/cm <sup>3</sup>	Internal method
K-Value <sup>2</sup>	59.0		Internal method
Intrinsic Viscosity <sup>3</sup>	0.74		Internal method
Particle Size <sup>4</sup>			Internal method
< 105 micron	25.3	%	Internal method
< 125 micron	14.6	%	Internal method
Average Particle Size <sup>5</sup>	85	µm	Internal method
Relative viscosity-Cyclohexanone 1%	1.93		
Haze - fused 5 mins @ 350°F <sup>6</sup>	53	%	Internal method
Gloss-60 degree fused 5 mins @ 350F <sup>7</sup>	18	%	Internal method
Brokfield Viscosity <sup>8</sup>			Internal method
Initial @ 2 rpm	2.50	Pa · s	Internal method
Initial @ 20 rpm	2.45	Pa · s	Internal method
One Day @ 2 rpm	2.90	Pa · s	Internal method
One Day @ 20 rpm	2.73	Pa · s	Internal method
Cut off the outflow-95 psi <sup>9</sup>	582.00	g/10 min	Internal method
Residual Vinyl Chloride Monomer <sup>10</sup>		ppm	Internal method
Volatiles <sup>11</sup>	0.050	%	Internal method
polymerization process	Suspension		
Gel temperature <sup>12</sup>	88	°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.	STP 1169
2.	0.5g/100ml
3.	ASTM D 1243 60 A
4.	DFT 1466
5.	DFT 1466
6.	ATLC 66
7.	ALTC 65
8.	ALTC 22
9.	ALTC 23
10.	STP 1005
11.	STP 1242
12.	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

