

## PolyOne Geon™ 170 Series L100UF Polyvinyl Chloride Homopolymer (PVC Homopolymer)

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

Geon® Ultrafine 170-L100UF is a medium molecular weight, ultrafine particle size homopolymer dispersion resin. With the very fine particle size, it provides excellent casting characteristics for thin film applications, and ability to produce even thinner gauge coatings. The excellent dispersibility provides good product throughput during the organosol manufacturing process with the sand milling process reduction or elimination. A medium molecular weight resin provides a good balance of fused film properties and processing temperatures. The low residual emulsifier level provides good end product performance in the areas of clarity, moisture blush resistance, low taste and odor. This resin is accepted by FDA for use under 21CFR175.300 (food contact application). Note: The value set forth represent typical values and PolyOne Corporation, therefore, makes no representation that the material in any particular shipment will conform to the listed properties. Packaging: This resin is shipped in multi-wall paper bags, net weight 50 lbs, 2500 lbs per pallet. Information shown on the package includes commercial identification number, lot and weight. Geon® STP 1434 (formulation): 100phr Geon® L100UF, 55phr Aromatic100, 20phr Drapex 334-F, 5phr ESO, and 3phr Therm-Chek SP 120 LOHF. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Geon-170-Series-L100UF-Polyvinyl-Chloride-Homopolymer-PVC-Homopolymer.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-170-Series-L100UF-Polyvinyl-Chloride-Homopolymer-PVC-Homopolymer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792
Bulk Density	0.272 g/cc	0.00983 lb/in <sup>3</sup>	
Fineness	6.0	6.0	Hegman, North Fineness; Geon® STP 1434
Relative Viscosity	2.37 cP	2.37 cP	Correlation, Cyclohexanone 1%; Internal Method
Brookfield Viscosity	200 cP	200 cP	One Hour Viscosity @ 30 rpm Geon® STP 1434 (with provided formulation); Internal Method
	300 cP	300 cP	One Hour Viscosity @ 6 rpm Geon® STP 1434 (with provided formulation); Internal Method
	300 cP	300 cP	One Day Viscosity @ 30 rpm Geon® STP 1434 (with provided formulation); Internal Method
	525 cP	525 cP	One Day Viscosity @ 6 rpm Geon® STP 1434 (with provided formulation); Internal Method
Viscosity Measurement	1.0	1.0	Inherent; ASTM D1243-60-A

Processing Properties	Metric	English	Comments
Moisture Content	0.070 %	0.070 %	Karl Fisher Geon® STP 683; Internal Method

Processing Properties	Metric	English	Comments
Descriptive Properties	Value	Comments	
Clean Point	5.5 Hegman		Internal Method; GrindGeon® STP 1434 (with provided formulation)
Features	High Clarity		
	Low to No Odor		
	Low to No Taste		
Forms	Powder		Fine, White Powder
Generic Material	PVC Homopolymer		
Generic Name	Polyvinyl Chloride Homopolymer (PVC Homopolymer)		
K-Value	70		No Standard; Correlation, 0.5g/100ml
Methanol Extractables	1.3%		Internal Method; Geon® STP 894
Polymerization Process	Emulsion		
Processing Method	Casting		
	Coating		
Regional Availability	Africa & Middle East		
	Asia Pacific		
	Europe		
	North America		
	South America		
Residual Vinyl Chloride Monomer	< 1 ppm		Internal Method; Geon® STP 1005
Uses	Coating Applications		
	Film		
	Protective Coatings		

## Contact Songhan Plastic Technology Co.,Ltd.

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