

## PolyOne Geon™ 170 Series L140UF Polyvinyl Chloride Homopolymer (PVC Homopolymer)

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

Geon® Ultrafine 170-L140UF is an ultra high molecular weight, ultrafine particle size homopolymer dispersion resin. The excellent dispersibility provides good product throughput during the organosol manufacturing process with the sand milling process reduction or elimination. The finest particle size resin provides excellent casting characteristics for thin film applications, and ability to produce even thinner gauge coatings. The ultra high molecular weight resin provides an excellent product performance for end application and gives good chemical resistance properties. 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® L140UF, 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-L140UF-Polyvinyl-Chloride-Homopolymer-PVC-Homopolymer.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-170-Series-L140UF-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	3.04 cP	3.04 cP	Correlation, Cyclohexanone 1%; Internal Method
Brookfield Viscosity	175 cP	175 cP	One Hour Viscosity @ 30 rpm Geon® STP 1434 (with provided formulation); Internal Method
	200 cP	200 cP	One Day 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
	375 cP	375 cP	One Day Viscosity @ 6 rpm Geon® STP 1434 (with provided formulation); Internal Method
Viscosity Measurement	1.4	1.4	Inherent; ASTM D1243-60-A

Processing Properties	Metric	English	Comments
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Processing Properties	0.000 % Metric	0.000 % English	Karl Fisher Geon® STP 683; Internal Comments
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Descriptive Properties	Value	Comments
Clean Point	5.5 Hegman	Internal Method; Geon® 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	82	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	Geon® STP 1005
Uses	Coating Applications	
	Film	
	Protective Coatings	

## Contact Songhan Plastic Technology Co.,Ltd.

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