

Geon™ 170 Series L120UF

Polyvinyl Chloride Homopolymer
Mexichem Specialty Resins, Inc.

Message:

Geon® Ultrafine 170-L120UF is a high 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 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).

General Information			
Features	The smell is low to none		
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	Definition, high		
Uses	Films		
	Protective coating		
	Coating application		
Forms	Powder 1		
Processing Method	Casting		
	Coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
K-Value ¹	75.0		Internal method
Intrinsic Viscosity	1.2		ASTM D1243-60-A
Humidity-Karl Fisher ²	0.070	%	Internal method
Volume density	272	g/l	
Relative Viscosity ³	2.71		
Brokfield Viscosity			Internal method
One Day Viscosity @ 30 rpm ⁴	300	mPa · s	Internal method
One Day Viscosity @ 6 rpm ⁵	525	mPa · s	Internal method
One Hour Viscosity @ 30 rpm ⁶	175	mPa · s	Internal method
One Hour Viscosity @ 6 rpm ⁷	300	mPa · s	Internal method
Clean Point - Grind ⁸	5.50	Hegman	Internal method
North fineness-Grind ⁹	6.00	Hegman	Internal method
Residual Vinyl Chloride Monomer ¹⁰		ppm	
Methanol extractable ¹¹	1.3	%	Internal method
polymerization process	Dispersion		
Additional Information	Nominal Value	Unit	Test Method

Note: The value set forth represents "typical" values and Mexichem Specialty Resins, 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® L120UF, 55phr Aromatic100, 20phr Drapex 334-F, 5phr ESO, and 3phr Therm-Chek SP 120 LOHF

NOTE	
1.	Interrelationship
2.	Karl Fisher-Geon® 683c
3.	1% Cyclohexanone
4.	FF,ALTC-29
5.	95 psi,Geon® 1010
6.	One day, V12,Geon® 1010
7.	Initial, V12,Geon® 1010
8.	Geon® STP 1434 (with provided formulation)
9.	Geon® 390
10.	Geon® STP 1005
11.	Geon® 894

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