

Geon™ 120 Series 121A

Polyvinyl Chloride Homopolymer

Mexichem Specialty Resins, Inc.

Message:

Geon® 121A is high molecular weight resin providing good fused film physical properties. It provides good chemical foamability for producing medium to high density foams. It gives good dispersability for easier plastisol preparation.

Geon® 121A is recommended for medium to high density foam or solid applications where good fused film physical properties are required such as spread and spray coating, dip coating and molding, slush and rotational molding.

General Information	
Features	High molecular weight Foamable property
Uses	Films Foam Coating application
Forms	Powder 1
Processing Method	Slush Molding rotomolding Impregnation coating method Coating

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
K-Value ¹	74.0		Internal method
Intrinsic Viscosity	1.2		ASTM D1243-60-A
Humidity-Karl Fisher ²	0.050	%	Internal method
Volume density	465	g/l	
Relative Viscosity ³	2.65		Internal method
Optimal stretch-FF ⁴	20.9	MPa	ASTM D638
Gloss-60 degree fused 5 mins @ 350F ⁵	82	%	Internal method
Transparency-light transmittance ⁶	77	%	Internal method
Brokfield Viscosity			Internal method
Initial Viscosity @ 2 rpm ⁷	4.90	Pa · s	Internal method
Initial Viscosity @ 20 rpm ⁸	4.43	Pa · s	Internal method
One Day Viscosity @ 2 rpm ⁹	5.30	Pa · s	Internal method
One Day Viscosity @ 20 rpm ¹⁰	4.80	Pa · s	Internal method
Cut off the outflow-95 psi ¹¹	72.00	g/10 min	Internal method
North fineness ¹²	5.00		Internal method
Residual Vinyl Chloride Monomer ¹³		ppm	Internal method

Methanol extractable ¹⁴	3.0	%	Internal method
polymerization process	Dispersion		
Gel temperature ¹⁵	69	°C	
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® ALTC and ASTM D638 (formulation): 100phr Geon® 121A, 57phr DINP, 3phr ESO, and 2phr Therm-Chek SP 120 LOHF Geon® STP 390 (formulation): 100phr Geon® 121A, and 60phr DOP

NOTE	
1.	Correlation, 0.5gm/ 100ml
2.	Karl Fisher-Geon® 683c
3.	1% Cyclohexanone
4.	With provided formulation
5.	60°,FF,ALTC-65
6.	FF,ATLC-66
7.	Initial, V12,Geon® 1010
8.	One day, V12,Geon® 1010
9.	Initial V2,Geon® 1253
10.	Initial, V20,Geon® 1253
11.	95 psi,Geon® 1010
12.	Geon® 390
13.	Geon® STP 1005
14.	Geon® 894
15.	FF,ALTC-29

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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

