

Geon™ 120 Series 124A

Polyvinyl Chloride Homopolymer

Mexichem Specialty Resins, Inc.

Message:

Geon® 124A is low molecular weight resin providing lower gelation and faster fusion characteristics. It provides good chemical foamability for producing medium to high density foams. It gives good dispersability for plastisol formulations.

Geon® 124A is recommended for medium to high density foam applications where good physical properties at lower temperatures are required.

General Information	
Features	Low molecular weight
	Foamable property
Uses	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	64.0		Internal method
Intrinsic Viscosity	0.85		ASTM D1243-60-A
Humidity-Karl Fisher ²	0.060	%	Internal method
Volume density	465	g/l	
Relative Viscosity ³	2.12		Internal method
Optimal stretch-FF ⁴	17.7	MPa	ASTM D638
Gloss-60 degree fused 5 mins @ 350F ⁵	92	%	Internal method
Transparency-light transmittance ⁶	75	%	Internal method
Brokfield Viscosity			Internal method
Initial Viscosity @ 2 rpm ⁷	5.43	Pa · s	Internal method
Initial Viscosity @ 20 rpm ⁸	4.95	Pa · s	Internal method
One Day Viscosity @ 2 rpm ⁹	6.93	Pa · s	Internal method
One Day Viscosity @ 20 rpm ¹⁰	6.15	Pa · s	Internal method
Cut off the outflow-95 psi ¹¹	132.00	g/10 min	Internal method
North fineness ¹²	4.75	Hegman	Internal method
Residual Vinyl Chloride Monomer ¹³		ppm	Internal method
Methanol extractable ¹⁴	3.2	%	Internal method
polymerization process	Dispersion		

Gel temperature ¹⁵	69	°C	Internal method
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® 124A, 57phr DINP, 3phr ESO, and 2phr Therm-Chek SP 120 LOHF Geon® STP 390 (formulation): 100phr Geon® 124A, and 60phr DOP			
NOTE			
1.	Interrelationship		
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.	Geon® ALTC 22 (with provided formulation)		
10.	Geon® ALTC 22 (with provided formulation)		
11.	95 psi,Geon® 1010		
12.	Geon® 390		
13.	Geon® STP 1005		
14.	Geon® 894		
15.	FF,ALTC-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

