

Geon™ 130 Series 137

Polyvinyl Chloride Copolymer

Mexichem Specialty Resins, Inc.

Message:

Geon® 137 is a carboxyl functional copolymer dispersion resin providing extra adhesion to synthetic fabrics, such as nylon, allowing the elimination of adhesion promoters. It provides the ability to crosslink with epoxies, providing a more solvent resistant coating. The polarity of Geon® 137 allows its use in hydrosols.

Geon® 137 is recommended for applications where special characteristics are requires, such as nylon fabric coating, hydrosol inks and coatings, solvent resistant coatings, and automotive sealants.

General Information			
Features	Solvent resistance		
	Good adhesion		
Uses	Sealant		
	Application in Automobile Field		
	Coating application		
	Fabric coating		
Forms	Powder 1		
Processing Method	Coating		
Physical	Nominal Value	Unit	Test Method
Specific gravity-Calculated value	1.40		
Intrinsic Viscosity	1.1		ASTM D1243-60-A
Humidity-Karl Fisher ¹	0.12	%	Internal method
Volume density	400	g/l	
Relative Viscosity ²	2.55		Internal method
Optimal stretch-FF ³	14.8	MPa	ASTM D638
Gloss-60 degree fused 5 mins @ 350F ⁴	55	%	Internal method
Transparency-light transmittance ⁵	78	%	Internal method
Brokfield Viscosity			Internal method
Initial Viscosity @ 2 rpm ⁶	16.3	Pa · s	Internal method
Initial Viscosity @ 20 rpm ⁷	27.0	Pa · s	Internal method
One Day Viscosity @ 2 rpm ⁸	17.9	Pa · s	Internal method
One Day Viscosity @ 20 rpm ⁹	32.3	Pa · s	Internal method
Cut off the outflow-95 psi ¹⁰	12.00	g/10 min	Internal method
Fixed Acid ¹¹	2.4	%	Internal method
Free Acid ¹²	0.40	%	Internal method
North fineness ¹³	3.00	Hegman	Internal method
Residual Vinyl Chloride Monomer ¹⁴		ppm	Internal method
Methanol extractable ¹⁵	3.1	%	Internal method

polymerization process	Microsuspension		
Gel temperature ¹⁶	67	°C	Internal method
K-Value ¹⁷	73.0		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® 137, 77phr DINP, 3phr ESO, and 2phr Therm-Chek SP 120 LOHF Geon® STP 390 (formulation): 100phr Geon® 137, and 60phr DOP

NOTE	
1.	Karl Fisher-Geon® 683c
2.	Interrelationship
3.	With provided formulation
4.	60°, FF, ALTC-65
5.	FF, ATLC-66
6.	Initial, V12, Geon® 1010
7.	One day, V12, Geon® 1010
8.	Geon® ALTC 22 (with provided formulation)
9.	Geon® ALTC 22 (with provided formulation)
10.	95 psi, Geon® 1010
11.	Geon® STP 1315
12.	Geon® STP 1315
13.	Geon® 390
14.	Geon® STP 1005
15.	Geon® 894
16.	FF, ALTC-29
17.	Interrelationship

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

