

PolyOne Geon™ 130 Series 137 Polyvinyl Chloride Copolymer (PVC Copolymer)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

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 required, such as nylon fabric coating, hydrosol inks and coatings, solvent resistant coatings, and automotive sealants. Note: The values 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® 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 Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-130-Series-137-Polyvinyl-Chloride-Copolymer-PVC-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	
Bulk Density	0.400 g/cc	0.0145 lb/in ³	
Fineness	3.0	3.0	Hegman, North Fineness; Geon® 390
Relative Viscosity	2.55 cP	2.55 cP	Correlation, Cyclohexanone 1%; Internal Method
Brookfield Viscosity	16.3 cP	16.3 cP	Initial Viscosity @ 2 rpm Geon® ALTC 22 (with provided formulation); Internal Method
	17.9 cP	17.9 cP	One Day Viscosity @ 2 rpm Geon® ALTC 22 (with provided formulation); Internal Method
	27 cP	27 cP	Initial Viscosity @ 20 rpm Geon® ALTC 22 (with provided formulation); Internal Method
Viscosity Measurement	32.3 cP	32.3 cP	One Day Viscosity @ 20 rpm Geon® ALTC 22 (with provided formulation); Internal Method
	1.1	1.1	Inherent; ASTM D1243-60-A
Melt Flow	12 g/10 min	12 g/10 min	Severs Efflux; Geon® ALTC 23 (with provided formulation); Internal Method
	@Pressure 0.655 MPa	@Pressure 95.0 psi	

Mechanical Properties	Metric	English	Comments
	14.8 MPa	2150 psi	Optimum; With provided formulation;

Tensile Strength Mechanical Properties	Metric	English	ASTM D638 Comments
---	--------	---------	-----------------------

Optical Properties	Metric	English	Comments
--------------------	--------	---------	----------

Gloss	55 %	55 %	60 Degree Fused 5 mins @ 350F Geon® ALTC 65 (with provided formulation); Internal Method
Transmission, Visible	78 %	78 %	Geon® ALTC 66 (with provided formulation); Internal Method

Processing Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Moisture Content	0.12 %	0.12 %	Karl Fisher Geon® STP 683; Internal Method
------------------	--------	--------	--

Descriptive Properties	Value	Comments
------------------------	-------	----------

Features	Good Adhesion	
	Solvent Resistant	
Fixed Acid	2.4%	Internal Method; Geon® STP 1315
Forms	Powder	Fine, White Powder
Free Acid	0.4%	Internal Method; Geon® STP 1315
Gel Temperature	67 °C	Internal Method; Geon® ALTC 29 (with provided formulation)
Generic Material	PVC Copolymer	
Generic Name	Polyvinyl Chloride Copolymer (PVC Copolymer)	
K-Value	73	Internal Method; Correlation, 0.5gm/100ml
Methanol Extractables	3.1%	Internal Method; Geon® STP 894
Polymerization Process	Microsuspension	
Processing Method	Coating	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Residual Vinyl Chloride Monomer	< 9 ppm	Internal Method; Geon® STP 1005

Descriptive Properties	Value	Comments
	Automotive Applications	
	Coating Applications	
	Fabric Coatings	
	Sealants	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China