Geon™ 130 Series 136

Polyvinyl Chloride Copolymer

Mexichem Specialty Resins, Inc.

Message:

Geon® 136 is a vinyl ester copolymer dispersion resin, exhibiting fast fusion at low processing temperatures, resulting in energy saving and the ability to work with heat sensitive substrates. The vinyl ester copolymers exhibit stable Brookfield Viscosity againg characteristics. The lower molecular weight resin, Geon® 136, allows lower processing (fusion) temperature compared to Geon® 138. It provides mechanically and chemically foamable.
Geon® 136 is recommended for applications where low processing temperatures are required such as carpet tile and walk off mat backings, plastisol inks, general low temperature processing applications, automotive sealants.

General Information	
Features	Fast Fusion Low VOC
Uses	Carpet backing Sealant Application in Automobile Field
Forms	Powder 1
Processing Method	Slush Molding rotomolding Casting Impregnation coating method

Physical	Nominal Value	Unit	Test Method
Specific gravity-Calculated value	1.40		ASTM D792
Intrinsic Viscosity	1.0		ASTM D1243-60-A
Humidity-Karl Fisher [1]	0.050	%	Internal method
Volume density	465	g/l	
Relative Viscosity [2]	2.37		Internal method
Optimal stretch-FF [3]	19.7	MPa	ASTM D638
Gloss-60 degree fused 5 mins @ 350F [4]	93	%	Internal method
Transparency-light transmittance [5]	93	%	Internal method
Brokfield Viscosity			Internal method
Initial Viscosity @ 2 rpm [6]	4.33	Pa·s	Internal method
Initial Viscosity @ 20 rpm [7]	4.60	Pa·s	Internal method
One Day Viscosity @ 2 rpm [8]	5.55	Pa·s	Internal method
One Day Viscosity @ 20 rpm [9]	6.18	Pa·s	Internal method
Cut off the outflow-95 psi [10]	108.00	g/10 min	Internal method
Copolymer Content [11]	4.9	%	Internal method
North fineness [12]	4.75	Hegman	Internal method

Residual Vinyl Chloride Monomer [13]		ppm	Internal method
Methanol extractable [14]	2.3	%	Internal method
polymerization process	Dispersion		
Gel temperature [15]	65	°C	Internal method
K-Value [16]	70.0		Internal method

Additional Information	Nominal Value	Unit	Test Method

Note:The value set forth represent "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® 136, 57phr DINP, 3phr ESO, and 2phr Therm-Chek SP 120 LOHFGeon® STP 390(formulation): 100phr Geon® 136, 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 PT-LA-026
12.	Geon® 390
13.	Geon® STP 1005
14.	Geon® 894
15.	FF,ALTC-29
16.	Interrelationship

Recommended distributors for this material

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