

Geon™ 210 Series 215 Blending Resin

Polyvinyl Chloride Homopolymer

Mexichem Specialty Resins, Inc.

Message:

Geon® 215 is a low molecular weight particle size homopolymer blending resin intended for use in plastisol formulations. It improves air release performance resulting in reduced scrap rates. It decreases high shear viscosity providing an improved 'ease of coating' performance resulting in a more uniform plastisol coating and improving line up time. It reduces viscosity aging characteristics, providing increased plastisol usage (pot life). It reduces surface gloss of films or coated products resulting in less surface blocking and improved handling.

Geon® 215 is recommended for solid and foamed plastisol applications such as coated fabric, cast films and coatings, foam mats and pads.

General Information			
Forms	Powder		
Processing Method	Slush Molding rotomolding Casting Impregnation coating method		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
K-Value ¹	64.0		
Apparent loose density ²	0.430	g/cm ³	Internal method
Intrinsic Viscosity	0.85		ASTM D1243-60-A
Particle Size			Internal method
< 52 Micron ³	98.0	%	Internal method
< 74 Micron ⁴	99.8	%	Internal method
Average Particle Size ⁵	25.0	µm	Internal method
Relative Viscosity ⁶	2.12		Internal method
Haze - Fused 5 mins (177°C) ⁷	20	%	Internal method
Gloss-60° Fused 5 mins(177°C) ⁸	20	%	Internal method
Brokfield Viscosity			Internal method
FF ⁹	4.00	Pa · s	Internal method
Initial Viscosity @ 20 rpm ¹⁰	3.50	Pa · s	Internal method
Initial Viscosity @ 2rpm ¹¹	3.40	Pa · s	Internal method
One Day Viscosity @ 20rpm ¹²	4.23	Pa · s	Internal method
Cut off the outflow-95 psi ¹³	276.00	g/10 min	Internal method
Residual Vinyl Chloride Monomer ¹⁴		ppm	Internal method
Volatiles ¹⁵	0.060	%	Internal method
polymerization process	Suspension		
Gel temperature-PP ¹⁶	78	°C	Internal method
Vinyl diffuser ¹⁷	75.0	µm	Internal method

Additional Information	Nominal Value	Unit	Test Method
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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 (formulation): 60phr Geon® 121A, 40phr Geon® 215, 57phr DINP, 3phr ESO, and 2phr Therm-Chek SP 120 LOHF Geon® STP 1203 (formulation): 60phr Geon® 178, 40phr Geon® 215, and 60phr DOP

NOTE	
1.	Interrelationship
2.	Geon® STP 1169
3.	<53 μ
4.	Geon® DFT 1466
5.	Geon® 812
6.	1% Cyclohexanone
7.	60, melting for 3 minutes, ALTC-65
8.	60, melt for 5 minutes, ALTC-65
9.	Geon® ALTC 22 (with provided formulation)
10.	One day, V12, Geon® 1010
11.	Initial, V12, Geon® 1010
12.	Geon® ALTC 22 (with provided formulation)
13.	95 psi
14.	Geon® STP 1005
15.	Bags, Geon® 793
16.	Geon® ALTC 29 (with provided formulation)
17.	Geon® STP 1203 (with provided formulation)

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