

PolyOne Geon™ Specialty Suspension CG E 44 Polyvinyl Chloride Homopolymer (PVC Homopolymer)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Geon® CG E44 is a homopolymer specialty suspension resin intended for use in lowering the gloss of extruded or plastisol parts. This resin provides low surface gloss and texturing effects for flexible vinyl products, allowing the production of broad range of surface effects without the need for secondary operation process which helps to reduce manufacturing cost. The ability to increase surface roughness provides a reduced surface blocking and allows the ease of handling in stacked or bundled parts. Note: The value 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, netweight 50lbs, 2,500lbs per pallet. Information shown on the package includes commercial identification number, lot, and weight. STP 488 (formulation): 100phr Geon® CG E44, 55phr TOTM, and 18phr Filler Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Specialty-Suspension-CG-E-44-Polyvinyl-Chloride-Homopolymer-PVC-Homopolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792
Volatiles	0.060 %	0.060 %	Geon® STP 793; Internal Method
Apparent Bulk Density	0.370 g/cc	0.0134 lb/in ³	Geon® STP 1169; Internal Method
Porosity	0.57 %	0.57 %	cm ³ /g; Geon® STP 1094; Internal Method
Particle Size	<= 105 µm	<= 105 µm	16%; Geon® DFT 1466; Internal Method
	150 µm	150 µm	Average Particle Size Geon® DFT 1466; Internal Method
	>= 250 µm	>= 250 µm	4%; Geon® DFT 1466; Internal Method

Descriptive Properties	Value	Comments
Contamination	0	Internal Method; Magnetic Particles Geon® STP 1217 Unit: #/100in ²
	1	Internal Method; Dark Particles Geon® STP 1217 Unit: #/100in ²
	5	Internal Method; Light Colored Particles Geon® STP 1217 Unit: #/100in ²
Features	Low Gloss	
	Non-Smooth Surface Finish	
	34 sec	Internal Method; Conditioned Funnel Flow Time Geon®

Flow Time Descriptive Properties	Value	STP 1169 Comments
Forms	Powder	White Powder
Generic Material	PVC Homopolymer	
Generic Name	Polyvinyl Chloride Homopolymer (PVC Homopolymer)	
Polymerization Process	Suspension	
Powder Mix Time	2.8 min	Internal Method; Geon® STP 488 (with provided formula)
Processing Method	Dip Coating	
	Extrusion	
	Injection Molding	
	Rotational Molding	
	Slush Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Residual Vinyl Chloride Monomer	< 1 ppm	Internal Method; Geon® STP 1005
Uses	Insulation	
	Wire & Cable Applications	

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