

PolyOne Geon™ 210 Series 218 Polyvinyl Chloride Homopolymer (PVC Homopolymer)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Note: Plastisol and or Fused Film Formulation F2 consists of 60 parts of Geon®178 + 40 parts of this resin + 57 parts DOP + 3 parts ESO + 2 parts Synpron® 940 Note: Plastisol Formulation F1 consists of 60 parts of 178 + 40 parts of this resin + 60 parts DOP 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. Shipping: This resin can be shipped in 45,000 lb bulk trucks and 180,000 lb bulk railcars. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-210-Series-218-Polyvinyl-Chloride-Homopolymer-PVC-Homopolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792
Density	0.561 g/cc	0.0203 lb/in ³	ASTM D1505
Loss On Ignition	0.10 %	0.10 %	Bagged, Geon® 793
Particle Size	70 µm	70 µm	Geon® 812
Particle Mesh Size	120 Mesh	120 Mesh	4%; Geon® 812
Relative Viscosity	1.93 cP	1.93 cP	1% Cyclohexanone
Brookfield Viscosity	3.4 cP	3.4 cP	Initial, V12, Geon® 1010
	4.0 cP	4.0 cP	One Day, V12, Geon® 1010
	2.95 cP @Temperature -40.0 °C	2.95 cP @Temperature -40.0 °F	One Day, V2, ALTC-22
Brookfield Viscosity	3.0 cP @Temperature -40.0 °C	3.0 cP @Temperature -40.0 °F	One Day, V20
	3.0 cP	3.0 cP	One Day, V20
Viscosity Measurement	0.74	0.74	Inherent; ASTM D1243-60-A
Melt Flow	540 g/10 min	540 g/10 min	Severs Efflux
	@Pressure 0.655 MPa	@Pressure 95.0 psi	

Optical Properties	Metric	English	Comments
Gloss	35 %	35 %	60°, fused 5 min, ALTC-65
	@Temperature 177 °C	@Temperature 351 °F	

Optical Properties	Metric	English	Comments
	@Temperature 199 °C	@Temperature 390 °F	60 , fused 3 min, ALTC-65

Descriptive Properties	Value	Comments
Air Release	1 min	ALTC-25
Degree of Polymerization	740	Correlation
Features	Low Molecular Weight	
Forms	Powder	
Gel Temperature	77 °C	PP
Generic Material	PVC Homopolymer	
Generic Name	Polyvinyl Chloride Homopolymer (PVC Homopolymer)	
K-Value	59	No Standard; Correlation
Polymerization Process	Suspension	
Processing Method	Casting	
	Dip Coating	
	Rotational Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Vinyl Dispersion Gauge	155 µm	ALTC-28

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