

Geon™ FIT Series

Formulation Improvement Tools for Plastisols

Quality, consistency and performance for plastisol compounders and producers worldwide

Product Description

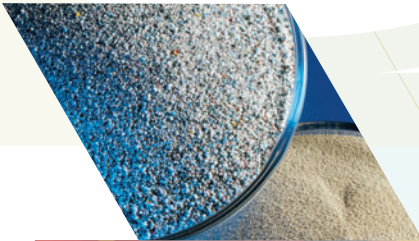
Geon™ FIT Series resins are specifically engineered to allow the plastisol compounder and producer to meet the quality and performance needs of their customers. Products are available in a range of molecular weights that enable formulating latitude for specific end-product processing and high performance characteristics. As one of the worlds' most

experienced manufacturers of Specialty Vinyl Resins, PolyOne is also a leading North American producer of these materials, servicing a wide range of end-use applications. The Geon brand name is globally recognized for product performance, quality and consistency, which allows Geon resins to be supplied to customers located throughout the world.

Key Advantages

Geon FIT Series resins offer the following features & benefits:

- As a replacement for blending resins, Geon FIT resins increase physical properties up to 30%, enhancing product performance, or allowing the addition of up to 40 phr of filler, significantly decreasing formulation costs; both of which allow our customers to compete and grow in their markets.
- Improved air release performance of plastisols, providing fast de-aeration times, fewer surface defects, and reduced scrap rates, which reduce manufacturing cost.
- Aged viscosity control increasing plastisol shelf life which reduces waste.



Application Recommendations for Geon™ FIT Series Resins

Material	Plastisol Usage Recommendation	Molecular Weight	
		IV	K-Value*
Geon FIT E-50	Plastisols containing copolymer or low molecular weight homopolymer dispersion resins	0.75	60
Geon FIT E-51	Plastisols containing low or medium molecular weight homopolymer dispersion resins	0.92	65
Geon FIT E-52	Plastisols containing high molecular weight homopolymer dispersion resins	1.10	72

* Molecular weight testing is via Inherent Viscosity (IV). Approximate K-Values are provided as a reference only.

Key Characteristics & Benefits

Geon FIT resins are used as a Formulation Improvement Tool in conjunction with dispersion resins in the preparation of plastisols. They are recommended for use in a wide variety of end-use applications, with part casting and wall thicknesses of 3 – 4 mils (75 – 100 µ) and thicker.

Geon FIT resins are used as a 1:1 replacement for dispersion or blending resins in the plastisol formula, with the total resin level remaining at 100 phr. Although the addition of 5 to 10 phr of Geon FIT resins will provide improvement in properties such as air release and improved de-aeration rates, typical usage is 20 – 40 phr.

Product choices often vary by region due to differences in regulatory and agency requirements, availability and other key factors. Please contact your nearest sales office for assistance in choosing the right solution for your locale.

CONTACT INFORMATION

Americas

U.S. – Avon Lake, Ohio
+1 440 930 1000

Asia

Japan – Tokyo
+81 3 6912 9102

Europe

Fischbach – Luxembourg
+32 (0) 83 660 211



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Better Business Solutions.™*

www.polyone.com

PolyOne Americas

33587 Walker Road
Avon Lake, Ohio 44012
United States
+1 440 930 1000

PolyOne Asia

Guoshoujing Road No. 88
Z.J Hi-Tech Park, Pudong
Shanghai, 201203, China
+86 (0) 21 5080 1188

PolyOne Europe

Rue Melville Wilson 2
5330 Assesse, Belgium
+32 (0) 83 660 211