



Geon™ Specialty Suspension Series Resins

Quality, consistency and performance for vinyl compounders worldwide

Product Description

Geon™ Specialty Suspension Series resins are specifically engineered to provide the quality and performance needs of the pellet, cube and powder compounder. As one of the worlds' most experienced manufacturers of Specialty Vinyl Resins, PolyOne services a wide range of end-use applications. The Geon brand name is globally recognized for product performance, quality and consistency.

Key Advantages

Geon Specialty Suspension Series product line has resins that offer the following features and benefits:

- Geon 471 - High porosity resin that provides improved dry-up performance when used in highly plasticized compounds or when using difficult-to-absorb polymeric plasticizers. Improved dry-up performance results in higher compound throughput rates, increased compounding capacities and reduced manufacturing costs.
- Geon 406 & Geon 407 - High molecular weight extrusion resins providing improved end-product physical characteristics, such as tensile strength and flexural modulus resulting in increased end-product service life.
- Geon 3400FG & Geon E24 - Low-gloss resins which improve aesthetic performance to meet market driven requirements as well as limit the need to use secondary deglossing operations or other low-gloss additives, reducing manufacturing costs.

Specifications for Geon™ Specialty Suspension Series Resins

Materials	Process	Resin Attribute	Molecular Weight	
			IV	K-Value*
Geon 471	Extrusion, Injection Molding	High porosity	1.00	70
Geon 406	Extrusion	High molecular weight	1.40	80
Geon 407			1.60	87
Geon 3400 FG	Extrusion	Low gloss	---	---
Geon E-24	Injection Molding		---	---

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



Key Characteristics & Benefits

Specialty Suspension Resins are used in applications to provide specific and unique attributes not readily obtainable through the use of standard suspension vinyl resins. Through the use of these products the end user can:

- Customize compounds to offer a wider range of end product appearance characteristics to meet changing market trends
- Improve compound throughput rates thereby reducing total cost
- Enhance tensile and modulus strength increasing product performance and offering extended product life

Geon Specialty Suspension resins are supplied to vinyl compounders located throughout the world.

Markets and Potential End-Use Applications

Appliances

Flexible door gasketing

Building & Construction

Wire and cable

Healthcare

Tubing

Industrial

Plastisol dip coating and molded products

Transportation

Body side molding, tubing

CONTACT INFORMATION

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