



Geon™ SF Compounds

Superior flow molding compounds expand the processing window of rigid vinyl

Product Description

Geon™ SF molding compounds utilize patent pending technology to expand rigid vinyl's processing window, delivering superior flow and improved thermal stability compared to current injection molding formulations. Geon™ SF compounds allow injection molders to select vinyl for indoor or outdoor applications previously

requiring more expensive engineered thermoplastics to produce large or thin-walled parts. Key features include:

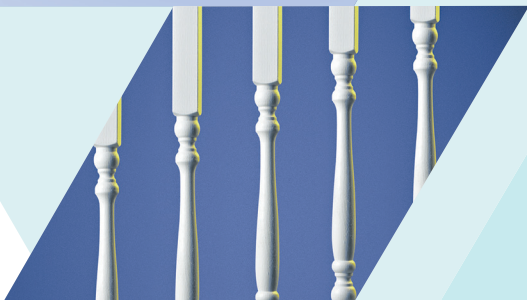
- 25% improvement in melt flow
- 75% improvement in thermal stability during molding
- Reduced shear burning during molding

Value to Manufacturers

- **Reduced production costs** by replacing higher cost engineered polymers like FR ABS, PC+ABS, PC, PPE+PS and PBT
- **Improved production efficiencies** for existing applications through reduced scrap rate and/or cycle time where vinyl processing is marginal
- **Create differentiated products** with materials that can fill large or thin-walled tools

Markets and Applications

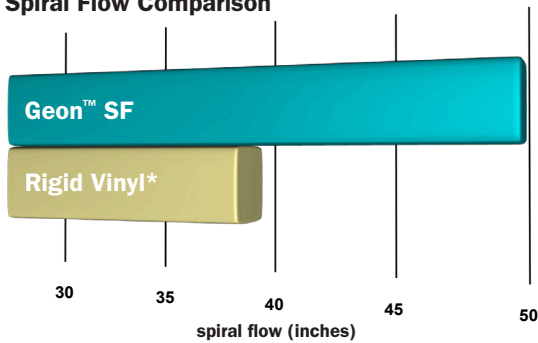
- Shake siding
- Railing spindles
- Laundry appliance housings
- Other large or thin-walled applications



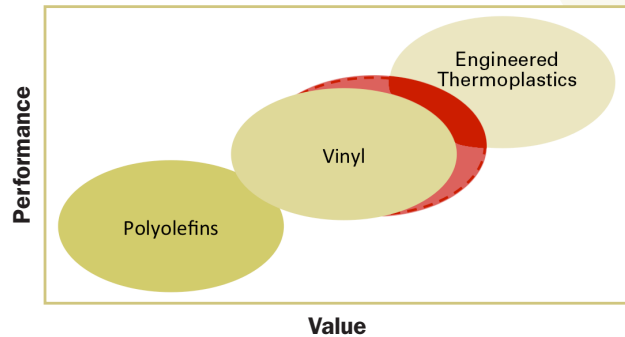
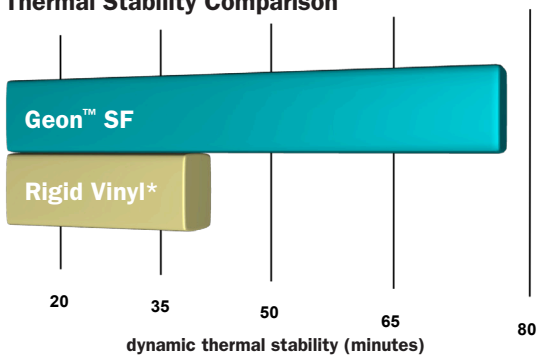
The Geon™ SF Advantage

Geon™ SF rigid vinyl molding compounds show improved flow and thermal stability compared to current formulations, resulting in easier processing and expanding the range of applications in which rigid vinyl can be used.

Spiral Flow Comparison



Thermal Stability Comparison



Geon™ SF expands the applications where rigid vinyl can cost effectively replace engineered thermoplastics.

*Typical values for rigid vinyl injection molding compounds

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.

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