

 APPLIANCE



**GEON<sup>®</sup> VINYL  
SOLUTIONS  
APPLIANCE DESIGN**

**Your challenge: to be innovative while also controlling costs and creating safe, durable, sustainable products that are appealing to consumers.**

From flame-retardant housings to internal structural components, we can provide you with customized solutions to help you face your challenges head-on.

Whether you're looking for new designs and innovative shapes, unique colors or metallic finishes, we can help you find the right balance between cost and performance.



# BRINGING YOU THE FREEDOM TO INNOVATE

What if you could design without limits? You can with GEON<sup>®</sup>'s unparalleled range of specialty options.

**Design with imagination:** Create complex shapes more easily while reducing assembly costs and eliminating paint. Our technical and design support services can help make it possible with tooling design, mold flow analysis and process optimization.

**Design with color:** Provide your customers with colors that are bold and durable. Our metallic color palette can open up a wide range of aesthetic possibilities.

**Design with confidence:** Safety and performance are top priorities. Our flame retardant vinyl materials meet stringent UL requirements for flame retardance.

**Design for sustainability:** Our vinyl materials are resource efficient and recyclable. And our pre-colored vinyl eliminates the VOCs associated with painting.



# IMAGINE THE POSSIBILITIES



USER INTERFACE ENCLOSURES



CONSOLES



DISPENSER HOUSINGS

ELECTRONIC ENCLOSURES



DUST BINS & CHASSIS COVERS



MOTOR HOUSINGS



DOOR FRAMES & TRIM RINGS

Our GEON® vinyl formulations are ideal for a wide variety of large and small appliance applications. Work with us to discover how we can help expand your possibilities with the versatility of vinyl.

## WHY VINYL?

### FLAME RESISTANCE

Vinyl is inherently flame retardant, allowing for regulatory compliance while avoiding the need for flame retardant (FR) additives.

### BEAUTIFUL AESTHETICS

Because vinyl doesn't need additives to achieve FR requirements, it maintains its transparency for clear applications and, when pre-colored, allows bold hues to shine through.

### UV STABILITY

With excellent UV stability, vinyl enables durable, weatherable products that resist color shift throughout their lifetimes.

### CHEMICAL RESISTANCE

Vinyl stands up to harsh cleaners and disinfectants by remaining durable—no cracking or discoloration.

### PROCESSING FLEXIBILITY

Vinyl can be processed by injection molding, extrusion, calendering, blow molding and thermoforming.

### SUSTAINABILITY

Requiring fewer hydrocarbon feedstocks, less energy to produce, and less heat to process, vinyl is an energy efficient alternative to other polymers.

# WHEN YOU WORK WITH GEON®

Beyond our broad product portfolio and custom formulation capabilities, when you work with GEON, you also receive unparalleled service from start to finish.

## Technical Service

- Tool design, mold flow analysis, startup and production optimization support
- Reduced manufacturing costs and startup time

## Design Services

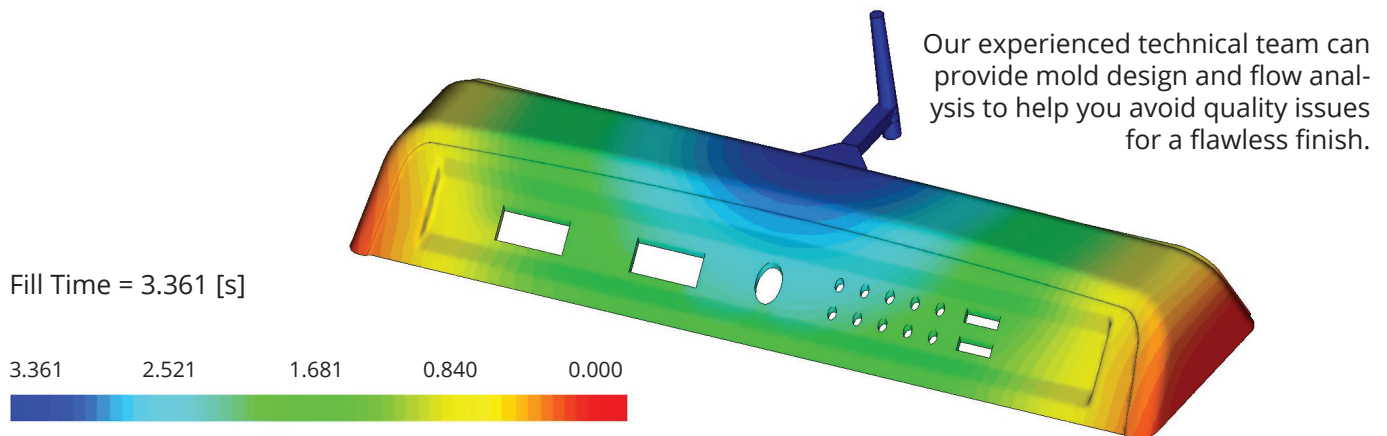
- Industrial design, process engineering, and performance analysis
- Tooling design and time-to-market optimization

## Color Technology

- Deep, saturated color matching and special effects
- Product differentiation while eliminating secondary operations such as painting

## Regulatory Coordination

- Resources that aid new product approval with UL, NSF, FDA and others
- Regulatory overhead and time-to-market reductions



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