



A GALAXY OF COLORS & PATTERNS

No matter what your specifications or requirements are, you can enhance the beauty of your product with Galaxy Granules™, a state-of-the-art cured, granule filled polymer available in unlimited color and size options. For a truly customized project, our expert technical staff will work with you to create your own personalized design. With an unlimited combination of colors, granule size and designs, qualities which are unique to Galaxy Granules™, you can create a world of possibilities.

In addition to the aesthetic properties, Galaxy Granules™ offer unsurpassed durability. They are stain and corrosion resistant, Class A fire retardant, UV stabilized,* color consistent and FDA approved.**

Galaxy Granules™ can be used in just about any production technique including compression, open or rotational molding, gravity or mass casting, RTM, pultrusion, extrusion, and calendaring.

A host of new and exciting uses are being discovered everyday with Galaxy Granules™. **The only limitation is your imagination.**

* ANSI Z124.1 Section 5.1 500 hours

** certain colors



When you think of beauty, versatility and durability, think of Galaxy Granules™. With the ability to add color and dimension to practically anything, Galaxy Granules™ can be used in a broad range of applications and manufacturing processes. With unique properties and characteristics Galaxy Granules™ is truly "one heck of a spec."





Physical Properties and Technical Data

Property	Typical Result	Test
Specific Gravity	1.8 g/cc	ASTM D570
Liquid Absorption	1/2 in = 0.03% (24hrs)	ASTM D570
Hardness	65 - 75 Barcol Impressor	ASTM D2583
Tensile Strength	7,000 psi	ASTM D638
Thermal Expansion	1.58×10^{-5} in/in F°	ASTM D696
Color Stability	No Change	NEMA LD3 1980
High Temperature Resistance	No Lasting Effect R-400° HT 800°	NEMA LD3 1985
Stain Resistance	Passes	ANSI-Z 124-1980
Weatherability & UV	No Change - 500 hrs	ANSI Z124.1 SECTION 5.1
Fire Resistance		
Flame Spread 1/2 in	5	ASTM E84
Smoke Developed 1/2 in Class A	15	NFPA 25 & UL 723
Boiling Water Resistance	No Changing Effect	NEMA LD3 1985 Method 3.05

Stain and Chemical Resistance

Galaxy Granules™ has been tested with the following materials with no lasting effects:

Solvents: Acetone, Methanol, Ethanol, Naphtha, Toluene, Kerosene, Gasoline

Acids: Citric, Sulfuric 20%, Phosphoric, Hydrochloric, Acetic

Alkaline: Sodium Hydroxide 30%, Ammonium Hydroxide, Hydrogen Peroxide, Sodium Hydrochloride

Other: Ammonia, Blood, Coffee, Lipstick, Urea, Wine, etc.

Use Galaxy Granules™ In:

- Cast Polymer products - countertops, sinks, tubs, shower pans
- Flooring products - vinyl tiles, hard tiles
- Compression molding, SMC, BMC - microwave cookware, desktop accessories
- Pultrusion - architectural molding
- Construction - gypsum, plaster, paneling
- Epoxy flooring
- Practically anything in the plastics industry

Characteristics of Galaxy Granules™:

- Stain and corrosion resistant
- Color consistency from batch to batch
- Composed with fire retardant ingredients
- UV stabilized
- Produced with FDA approved ingredients (most colors)
- Available in 154 standard colors and unlimited custom colors
- Support from a knowledgeable technical staff



2 Ackerman Avenue • Clifton, NJ 07011, USA
973-772-5252 • Fax: 973-772-5858 • 1-800-472-6854

WWW.SAFACORP.COM