COLORANT & ADDITIVE DISPERSIONS

PRODUCT CATALOG

PolyOne

DISCOVER THE DISPERSIONS ADVANTAGE

Pre-dispersed colorants and additives that give you the consistency and quality your products deserve.

OUR PORTFOLIO

Colorant Dispersions

- Rubber
- Urethane
- Epoxy
- Vinyl
- Silicone
- Water-Based

Additive Dispersions

- Aqueous
- Silicone

Specialty Products

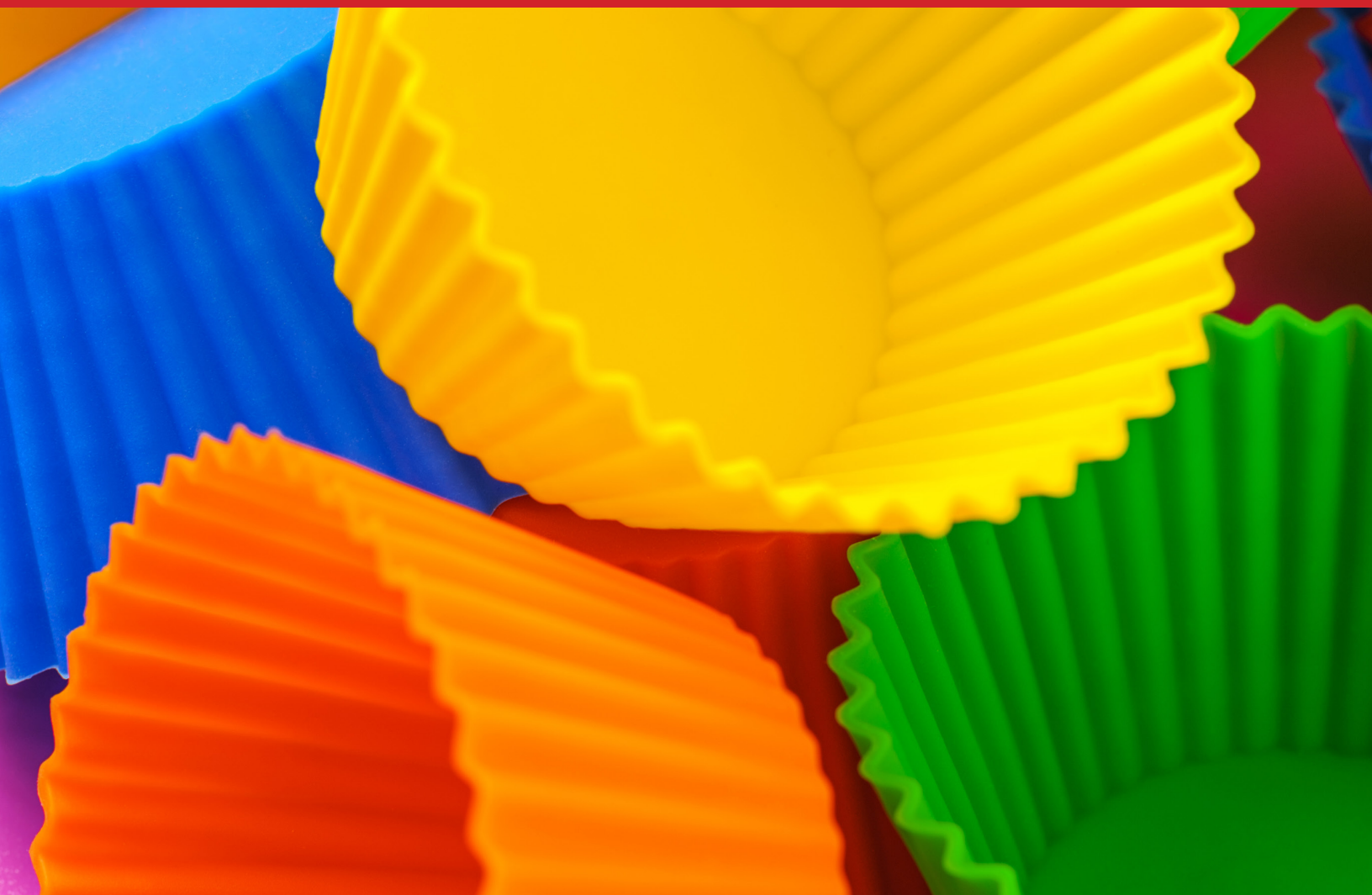
- Dry Powder Colorants
- Wet or Dry Blend Colorants
- Self-Bonding Silicone

Our colorant and additive dispersions for polymers help you enhance aesthetics or improve processing efficiency across a wide variety of markets and applications.

Suitable in a variety of carrier systems, our dispersions are carefully measured and controlled for even distribution throughout the carrier, resulting in greater uniformity. Each batch is developed and tested in house so you can rely on lot-to-lot consistency with tight color tolerances.

With our pre-dispersed pigments and additives, you'll also benefit by eliminating the need to handle, measure and mix, meaning fewer processing steps.

Count on PolyOne's proven color expertise, deep technical knowledge and full regulatory support. We can help you with your color development process in meeting your performance needs and tackling emerging industry specifications across a range of applications.



COLORANT DISPERSIONS

RUBBER COLORANT DISPERSIONS

Stan-Tone™ MB/MC & EP

Stan-Tone™ MB/MC & EP are pigment dispersions for rubber systems, available in customizable binder systems suited for nitrile, EPR, EPDM, SBR, natural rubber, CPE and EVA compounds

Applications: industrial goods, auto mats, rubber flooring, sponge rubber, wire and cable

URETHANE COLORANT DISPERSIONS

Polyester Urethane Paste Colorants:
Stan-Tone™ PEP

Stan-Tone™ PEP colorants are reactive and compatible with polyester systems, reacting to become part of the final cured product

Applications: cast urethane wheels, industrial rollers, rigid foams, adhesives, laminates, pultrusion, glass reinforced composites, coated fabrics

Polyether Urethane Paste Colorants:
Stan-Tone™ ET

Stan-Tone™ ET colorants for urethane are compatible with polyether systems, reacting to become part of the final cured product

Applications: flexible foam, cast-able rolls and wheels, adhesives and laminates

EPOXY COLORANT DISPERSIONS

Stan-Tone™ EPX

Stan-Tone™ EPX consists of selected pigments dispersed in a Bisphenol A undiluted epoxy resin with an epoxide equivalent of 185

Applications: protective coatings, adhesives, epoxy flooring, electrical potting and laminates

VINYL COLORANT DISPERSIONS

Stan-Tone™ VC & VCP

Stan-Tone™ VC and VCP are products based on single pigment or multi-pigment blends and are designed for applications in which dispersion, uniformity, compatibility and cleanliness are essential

Applications: profile extrusions, decking, outdoor furniture, calendaring applications

Plasticizer-Based Colorants for Vinyl Paste:
Stan-Tone™ HCC

Stan-Tone™ HCC dispersions consist of selected pigments dispersed in diisodecyl phthalate plasticizer (DIDP) and are designed for applications in which dispersion, uniformity, compatibility and cleanliness are essential

Applications: coated fabric, vinyl sealants, adhesives, wall coverings, toys and sporting goods

SILICONE COLORANT DISPERSIONS

Liquid Silicone Colorants:
Silcopas™
Stan-Tone™ SP or FSP (FDA-compliant)
Silcotec™ SL
Stan-Tone™ HC Plus LSR (class VI certified)
Silicone paste colorants are single pigment or custom-made dispersions using a silicone carrier specially developed for liquid silicone rubber (LSR) injection molding applications

Applications: infant care, toys, seals, gaskets and medical equipment

High Consistency Silicone Rubber Colorants:
Silcogum™
Silcotec™ S
Stan-Tone™ SMB
Stan-Tone™ HC Plus HCR (class VI certified)
Silicone rubber colorants are made with a silicone elastomer gum binder resulting in cuttable masterbatches or slabs for ease of handling, especially for 2-roll, open-mill mixing

Applications: mechanical seals, keypads, gaskets, wire and cable jacketing

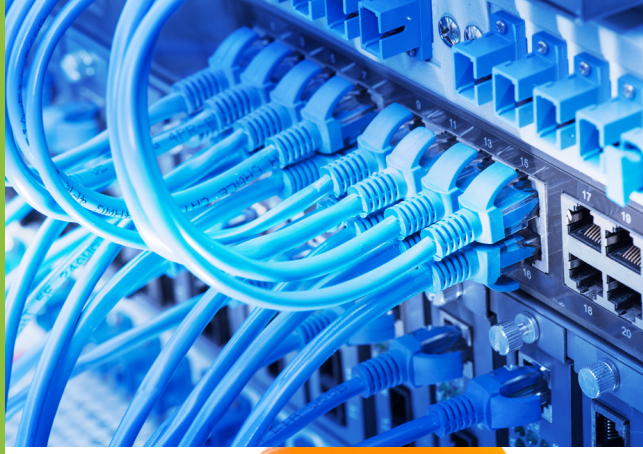
Room Temperature Vulcanization Colorants:
Silcopas™ RTV and Stan-Tone™ SP
Silcopas™ RTV and Stan-Tone™ SP colorants offer a standard line of single pigment or custom made dispersions using a low viscosity dimethyl fluid specially developed for room temperature vulcanization (RTV) rubber

Applications: caulks, sealants, adhesives

WATER-BASED COLORANT DISPERSIONS

Water-Based Liquid Colorants:
Stan-Tone™ WDN
Stan-Tone™ WDN water dispersions are high-solids organic or inorganic pigment dispersions designed to help meet standards for dispersion including pH levels and strength and shade

Applications: dipped latex balloons and gloves, coatings and adhesive systems



ADDITIVE DISPERSIONS

AQUEOUS ADDITIVE DISPERSIONS

Aquamix™

Aquamix™ chemical dispersions are a full line of dispersed and emulsified curatives, antioxidants, fillers, vulcanizers, optical brighteners, flame retardants, UV stabilizers and tackifiers

Applications: adhesives and latex compounding, curatives

SILICONE ADDITIVE DISPERSIONS

Electrically Conductive Additives for Silicone: Silcosperse™ EC

Silcosperse™ EC electrically conductive additives provide high conductivity and lower filler loadings

Applications: resistors, printable electronics, flexible electronics, insulator depolarizers

Laser Marking Additives for Silicone: Silcosperse™ LM

Silcosperse™ LM laser marking additives are dispersions that contain laser absorbers and color formers that eliminate the need for secondary etching

Applications: medical device housings, electronic device housings, wire and cable jacketing

Peroxide Additives for Silicone: Silcocat™

Silcocat™ dispersions can improve silicone molding process by stabilizing silicone peroxide compound levels

Applications: automotive hoses, seals, gaskets

Heat Stabilizer Additives for Silicone:
Silcosperse™
The Silcosperse™ family of heat stabilizing additives provide a high quality dispersion into silicone designed to enhance heat resistance of silicone compounds

Mold Release Additives for Silicone:
Silcosperse™ IMR
Silcosperse™ IMR is an internal mold release dispersion designed to be added to the silicone or fluorosilicone compound to facilitate the de-molding of finished parts

Acid Acceptor Additives for Silicone:
Silcosperse™ 180
Silcosperse™ 180 acid acceptor is a premium dispersion used to neutralize acid by-products generated by certain peroxides

Viscosity Modifiers for Silicone:
Silcosperse™ 237
Silcosperse™ 237 modifier dispersions are designed to raise or control the viscosity without changing solid content

SPECIALTY PRODUCTS

DRY POWDER COLORANTS
Stan-Tone™ D and Stan-Tone™ DC
Stan-Tone™ D and Stan-Tone™ DC are dry powder pigments available in a range of hues and chemical types

WET OR DRY BLEND COLORANTS
Stan-Tone™ DB
Stan-Tone™ DB dry blend colorants provide enhanced performance over dry colors, resulting in uniform critical pigment weight ratios for improved color control

SELF-BONDING SILICONE
Silcotec™ SCB
Silcotec™ SCB self-bonding silicone solutions allow silicone to bond to various substrates without prime coating

To learn more about our colorant & additive dispersions, please contact us at +1.866.POLYONE (1.866.765.9663) or visit www.polyone.com.

OUR MANUFACTURING LOCATIONS

1675 Navarre Road
Massillon, OH

707 Boyd Boulevard
LaPorte, IN

5652 CV Eindhoven, Hastelweg 269-273
Eindhoven, Netherlands

gsdi SILCOTEC™ STAN-TONE™

www.polyone.com

PolyOne™