

dar-tech, inc.

Serving American Industry Since 1951



PRODUCTS FOR PLASTICS

dar-tech, Inc distributes specialty chemicals and raw materials from its global network of suppliers that are used to compound, process and test various thermoplastics. These products enhance the processability of plastics and performance of articles fabricated from it.



MEET OUR SUPPLIERS

AFCONA ADDITIVES INC. (7000 series)

Wetting and dispersing additives, deaerators, flow and leveling agents, and rheology modifiers for PU, PMMA, PVC, epoxies, unsaturated polyester systems.

BLACHFORD

Calcium Stearate as stabilizer for PVC, and as a process aid and anti-caking additive for many other plastics. These are suitable for 21CFR FDA indirect food contact and NSF applications. Zinc Stearates that act as stabilizers for liquid colorant systems. These, too are suitable for 21CFR FDA indirect food and NSF applications. Calford® Ethylene bis Stearamide waxes that can be used as an internal/external lubricant, a release/anti-blocking agent and a dispersing agent for pigments.

BURGESS PIGMENT

Burgess Pigment is a manufacturer of hydrous and anhydrous kaolin for industry. Calcined kaolin options, as well as flash calcined kaolin grades are available. Kaolin products provide increased strength and endurance in various polymers. Kaolin increases resistance to warping, chemical damage and electrical damage.

BORICA

Tytan® Titanate coupling & dispersing agent that allows higher filler loading without sacrificing mechanical strength.

BYK INSTRUMENTS

Equipment for color measurement, microscopes and impact testers.

CHEMOURS

A large portfolio of Ti-Pure® Titanium Dioxide products to solve your color, opacity and weatherability design issues.

COVIA Corp.

Minbloc® anti-blocking agents and thermal fillers. HIFILL® Calcium Carbonate and HIFILL N® Nephylene Syenite, a performance filler that imparts better scratch and mar resistance, improve weatherability of the compound, and is available in a range of particle sizes.

DCL CORPORATION

A wide range of inorganic and organic pigments used in Olefins, PVC and engineering plastics in molding, film and fiber applications.

HAUTHAWAY CORPORATION

A broad portfolio of water-based polyurethane dispersions for coating plastics. Bio-renewable grades are available.

MAGRIS TALC

Mistron® Nicron® and Vertal® talc reinforcing fillers and antiblocking agents, often used as a nucleating agent.

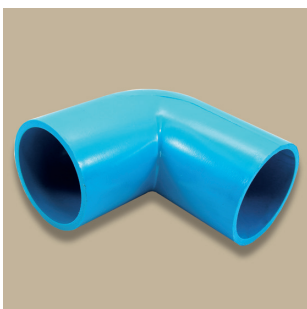
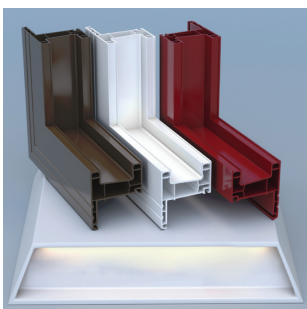
SIBELCO

A unique range of mineral-based flame retardants. PORTAFLAME Alumina Trihydrate (ATH), SECUROC Magnesium Carbonate, CASIFLUX Wollastonite and Portafer® Magnetite.

SOUTHEASTERN PERFORMANCE MINERALS, LLC

A large family of muscovite mica products used in Engineering resins, Wire & Cable, films and plastisols.

APPLICATIONS



HEAT STABILIZERS

Prevent degradation (typically PVC) during processing and in service

Features: Scavenges HCl, hindering auto-degradation

Benefits: Wider processing window, longer service life

Suppliers: Blachford

PIGMENTS/COLORANTS

Impart opacity and color to plastics

Features: Added to plastics during processing or compounding

Benefits: Protection from UV and makes articles more attractive to the consumer

Suppliers: Chemours, DCL Corporation

FLAME RETARDANTS

Reduce the burn rate of plastics

Features: Various mechanisms including water vapor release and smoke suppression

Benefits: Makes plastic products safer for the consumer

Suppliers: Sibelco

ANTIBLOCKING AGENTS AND PROCESS AIDS

Reduce the tendency of some fabricated plastics to stick together

Features: Internal and external lubricants

Benefits: Makes product easier for consumer to handle and use.

Supplied by: Blachford, Covia, Magris Talc, PCC Group

TESTING EQUIPMENT

Used in R&D as well as Quality control

Features: Measure properties of plastic resin systems

Benefits: Insures adherence to specification, and fitness-for-use

Suppliers: BYK Instruments

COUPLING & DISPERSING AGENTS

Allow higher filler loading without sacrificing mechanical strength

Features: Is incorporated into the polymer to improve dispersion

Benefits: Lowers compound cost, increases flame retardation

Suppliers: Borica

ADDITIVES FOR LOW-VISCOSITY POLYMERS

Used to reduce air inclusion (defoamers, deaerators), surface finish (levelers, wetting agents) and handling (antisetling agents, dispersing agents) of liquid systems.

Features: Enhance the performance properties of these resins

Benefits: Better optics, surface finish and consistency

Suppliers: AFCONA

MINERAL FILLERS/ ADDITIVES CONTAINER LINERS

Used to reduce cost and improve properties of plastics

Features: Are incorporated into the plastic matrix in a compounding step

Benefits: Lower cost, better physical properties and chemical resistance.

Suppliers: Burgess Pigment, Covia, Magris Talc, Omya Inc, SIBELCO, Southeastern Performance Minerals

dar-tech, inc.

For 70 years, dar-tech has provided additives, functional materials, resins, and pigments to a wide variety of industries.

ADHESIVES & SEALANTS
AGRICULTURE
CIVIL ENGINEERING
ELASTOMERS & RUBBER
METALWORKING LUBRICANTS

PAINT & COATINGS
PLASTICS
PRINTING INK
GRAPHIC ARTS

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