



King Industries and D.O.G. Products for Rubber



Since 1932 King Industries, Inc has been manufacturing products for the rubber industry. Although our products were sold through manufacturers reps for decades, the core technology and know-how remain ours. As the industry has changed drastically, our position in the market has stood strong. We continue to offer the tried and true products which people have relied on for years. We are devoted to the highest quality customer service and committed to developing new technologies. King is a highly driven family owned company who prides ourselves on our ability to work with the customer to solve problems and deliver solutions to unique or everyday problems. King is proud to be both ISO 9001 and 14001 certified.

As a result of an existing successful relationship, King Industries, Inc is proud to announce our representation of D.O.G. rubber additives in the US. D.O.G. is the third largest manufacturer of rubber additives in Europe. They have extensive knowledge of rubber chemistry and are well advanced in research and development. Please find below, products offered to you by King Industries, proudly representing our new partners in rubber, D.O.G.

	PRODUCT	COMPOSITION	KEY ATTRIBUTES/USES
PROCESS AIDS	REOGEN® E (Liquid)	Sulfonic acid in mineral oil	Improved Mooney, no reversion, versatile, improved flow, little or no effect on physical properties. NR, SBR, EPDM and other modern elastomers. A High activity plasticizer.
	PLASTOGEN® E (Liquid)	Sulfonic acid in mineral oil	Good softening, Lower activity, no reversion, improved flow, little or no effect on physical properties. NR, SBR, EPDM and other modern elastomers.
	PLASTOGEN® RC (Liquid)	Sulfonic acid in mineral oil	A unique light activity plasticizer for a full range of rubber types. NR, SBR, EPDM.
PEPTIZERS	BONDOGEN® E (Liquid)	Sulfonic acid in a low viscosity mineral oil	For NR, high molecular weight SBR, and NBR. Good storage stability, retards scorch and pre cure.
	DISPERGUM® 36 (Pellets)	A unique oxidation catalyst and zinc salt	Excellent mastication, low dosage. Increased productivity, reduction of scrap.
	DISPERGUM® 40 (Pellets)	Oxidation catalyst with a unique carrying system	Zinc Free, no DBD or PCTP, worker friendly.
ZINC SOAPS	DISPERGUM® K (Pellets)	Saturated/unsaturated fatty acids and inorganic filler	An easily dispersed, high quality, yet cost effective alternative to other zinc soaps on the market.
	DISPERGUM® PT (Pellets)	Combination of zinc salts and fatty acids.	Improves dispersion of fillers and other ingredients, reduce or eliminate zinc oxide and stearic acid. Excellent flow, energy savings, low heat build up, reversion resistance.
DISPERSING AIDS	DEOFLOW® AM (Pellets)	Fatty alcohols and fatty acid esters	Great for non polar bases, enhanced anti-blooming properties, improved flow, and improved extrusion.
	DEOFLOW® S (Pellets)	Calcium salts of fatty acids and amides	Great internal lubricant and dispersing agent. Highly improved demolding properties.
	DEOFLOW® 821 (Flakes)	Pentaerythritol-tetrastearate	Excellent mold release agent, prevents mill sticking, and flow and release in the injection molding process are improved.
SPECIAL	DEOSTAB® (Powder)	Cross-linked Native Oils (stabilized)	A Vulcanization stabilizer for CaO containing EPDM compounds. Improves the state of cure and compression set without effecting the activity of the desiccant.
	DEOSEC® R (Paste)	Preparation of Calcium Oxide	Extruded articles, pressureless vulcanization, EPDM, no porosity of the vulcanizates.

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VULCANIZED OILS	K 14 D (lumps)	Sulfur Cured VVO	Better plasticizer absorption, lower mixing temps. Improved crack resistance. Injection molding, cable insulation, floor coverings, calendared sheets.
	PD 14 (lumps)	Sulfur Cured VVO	Better plasticizer absorption, lower mixing temps, and better surface feeling. Injection molding, cable insulation, floor coverings, calendared sheets.
	NQ (crumbs)	Castor Based VVO	All types of molded NBR / CR articles, roller coverings, and fuel hoses, excellent swell resistance.
	Nr.17 GW (ground product)	Sulfur Chloride Based VVO	Used in the production of erasers, cold vulcanization.
	WP (ground product)	Peroxide Cured VVO	Chlorine free, white color, non staining, reduces shrinkage, easily dispersed, excellent compression set, peroxide cure. Shorter mixing time, improved surface feeling and appearance.
CURE ADDITIVES	DEOVULC TP 4-75 (powder)	Zincdialkyldithiophosphate on a silica carrier	A single accelerator preparation. Nitrosamine free white powder, for EPDM or Diene rubber. Enables high dosages with no staining or blooming. Improved shelf life.
	DEOVULC BG 187 (granulate / powder)	Combination of thiazole and basic accelerators w/ ZDTP	An accelerator blend for EPDM. Reduced mold fouling. Improves heat aging and compression set. Does not develop dangerous nitrosamines.
	DEOVULC BG 162 (powder)	Synergistic combination of highly active accelerators	Single product, easy handling, does not form dangerous nitrosamines, excellent physicals, good heat stability.
	DEOVULC EG 3 (granulate / powder)	Combination of highly active accelerators (contains ETU)	For general EPDM applications. Non staining, non blooming. Gives a medium cure rate and an average compression set.
Silane Preparations on Polymer / Wax Systems			
ACTIVATORS FOR FILLERS	DEOLINK TESPT (Pellets)	Bis(triethoxysilylpropyl) tetrasulfane	For sulfur curing, it establishes a chemical link from rubber to filler. Modulus, compression set, tensile strength and abrasion resistance are significantly improved.
	DEOLINK MX (Pellets)	Thiocarboxysilane	A multifunctional sulfur silane providing a white active filler coupling. A good alternative to mercaptosilanes. Higher scorch safety and no odor of the typical mercapto.
	DEOLINK VINYL (Pellets)	Tris(2-methoxyethoxy) vinylsilane	For peroxide cured compounds. To improve properties and establish a chemical link from rubber to silica or other white filler. Improved wet electrical properties, relevant for the cable industry. Protected against humidity.
	DEOLINK VH (Pellets)	Organo-alkoysilane	Used to improve the physical properties of peroxide cured compounds. Improved long-term wet electrical properties. Deolink VH does not develop methoxyethanol from hydrolysis of the active substance like most vinylsilanes. Enables the use of open packages.

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