



Hi-tech rubbers like Polyacrylic (ACM), Vamac® (AEM), Epichlorohydrin (ECO), Fluoroelastomers (FKM), etc. have high performance abilities and require specialized high quality chemicals and auxiliaries to extract their optimum performance.

Safic-Alcan of France is a supplier of a range of speciality chemicals for use with such hi-tech rubbers, and together with the products offered by DuPont and MLPC, we offer the entire range of chemicals required for processing such elastomers.

Our products also enhance the performance of general synthetic rubbers like Nitrile (NBR), EPDM, Polychloroprene (CR), Butyl (IIR), etc.

Products for use with Vamac® (AEM) and Polyacrylic (ACM) Rubbers

Product	Function	Compatible Rubbers
Safic-chem MBPA (Naugard 445)	A low volatility, high amine activity antioxidant. Excellent for high temperature applications.	AEM, ACM, ECO, HNBR
Ofalub SEO (Vanfre VAM)	Excellent internal lubricant during mixing. Free flowing.	AEM, ACM
Ofalub STA (Armeen 18D)	Processing aid. Retarder.	AEM, ACM
Vulcofac ACT 55	Accelerator (Non-carcinogenic, alternate for DOTG, DPG)	AEM, ACM
Vulcofac HDC (Diak-1)	Curing agent	AEM, ACM
Vulcofac HDC MB75	Polymer bound masterbatch of HDC	AEM, ACM
Vulcofac TAC	Co-agent for higher hardness, modulus & tensile strength	AEM, ACM, EPDM
Vulcofac TAIC	Co-agent for peroxide cured elastomers. Improves resistance to hydrolysis and weathering.	AEM, ACM, EPDM, FKM, EVA, CPE
Saficrelease RPMV	External mandrel release agent	AEM, ACM
Alcanplast 810TM	Plasticizer for excellent high temperature flexibility	AEC/ACM
Alcanplast PO80	Plasticizer for excellent high, low temperature performance	AEC/ACM
Alcanpoudre 4ADA-72	Antioxidant for very high temperature performance	AEM
Alcanpoudre A 1100-70	Coupling agent based on a bifunctional amine.	AEM, EVA, aqueous formulations
Alcanpoudre DBU-70	DOTG replacement	AEM, ACM

Products for use with Epichlorohydrin (ECO) Rubbers

Product	Function	Compatible Rubbers
Vulcofac TZ (Triazine / RF-3752)	Curative. Offers good heat resistance & reduces mold fouling	ECO
Vulcofac TZ MB70	Polymer bound masterbatch of TZ	ECO
Akmesperse Litharge	Acid Acceptor	ECO
Ofalub SMS	Excellent internal lubricant during mixing	ECO
Safimag Trisil	Activator. Improves scorch safety and shelf life	ECO
Vulcofac BPS	Curative	Lead-free cure system, it also promotes bonding between FKM and ECO.
Vulcofac NAC	Acid acceptor	
Vulcofac CP3441	Catalyst	

Products for use with Fluoroelastomer (FKM)

Product	Function	Compatible Rubbers
Vulcofac BTP (Curative 20)	Curing Agent	FKM
Vulcofac BAF (Curative 30)	Curing Agent	FKM
Vulcofac F 45N	Activator. Ultra pure Calcium Hydroxide (CaOH)	FKM, IIR, CR
Vulcofac HD IMINE (Diak 3)	Curing agent for Diamine cure.	FKM
Safiwax Rice Bran	Excellent internal lubricant during mixing. Used in replacement of Carnauba wax.	FKM



Specialty Antioxidants

Product	Function	Compatible Rubbers
Safic-chem CTPI (PVI)	Improves storage stability of rubbers.	NR, SBR, IIR, EPDM, BR
Safic-chem EW-3100 (Wingstay100)	It offers low volatility & reactivity with antiozonant effect	CR
Safic-chem OMB (BKF)	A non-staining antioxidant of the bisphenol type.	NR, SBR, IIR, EPDM, BR
Safic-chem REC (E/C)	Improves the processing safety of the compound by prolonging the flow times at cure temperature.	NBR, SBR, NR
Safic-chem W-29	Low staining characteristics.	Natural & Synthetic Rubbers
Safic-chem ZMMBI (ZMB2)	Improve the performance of the primary antioxidant. Offer the best thermal stability and maximum flex fatigue resistance in sulfur cure systems.	HNBR, CR

Specialty Curing Agents

Product	Function	Compatible Rubbers
Vulcofac 13PDM MB70 (HVA 2)	Provides fast cure rate	EPDM, CR, CSM, AEM, ACM
Vulcofac CLD MB 80N (CLD 80)	Excellent heat aging resistance. DTDM replacement.	NR, SBR, NBR, EPDM
Vulcofac PHP (TDD)	Provides fast curing speed and good physical properties.	ACM
Vulcofac ZAP (ZAT)	Provides higher curing rates. No Blooming effect	NR, SBR, NBR, EPDM
Vulcofac ZBPD-75	Provides easy dosing and quick dispersion in the mix.	EPDM, NR
Vulcofac ZDTP-70 (ZDT)	Nitrosamine free accelerator. Sulfur donor. Used in replacement of DTDM.	EPDM, NR
Vulcofac TiBTD	Ultra accelerator	EPDM, SBR, NBR, NR
Akem-Sperse MBS-80	Accelerator for low sulphur vulcanization. Provides extended scorch safety.	
Akem-Sperse 634-75	Zinc Dimethacrylate. Co-agent for peroxide cured elastomers.	

Dry Liquid Dispersions (Liquid chemicals converted into powder masterbatch)

Product	Function	Compatible Rubbers
Alcanpoudre BLW-70	Non blooming antioxidant with a high level of flex resistance	NR, SBR, NBR, EPDM, IR, BR, CR
Alcanpoudre EGDMA-70	Provides good viscosity, very good compression set	EPDM, CSM, AEM
Alcanpoudre TMPTMA-70	Provides additional reactive sites for crosslinking	EPDM, EPM, NBR, HNBR
Alcanpoudre Saret 517-70	Co-agent which contains non nitrosamine inhibitor creating scorch retarder package	EPDM, NBR
Alcanpoudre AH-70	Co-agent and processing aid for peroxide cured rubber	EPDM, etc.
Alcanpoudre 69-70 (Si 69)	Offers greater tensile strength, modulus, abrasion resistance	NR, SBR, NBR, EPDM, IR, BR
Alcanpoudre 189-70	Coupling agent for sulphur or metallic oxide cured rubbers (more effective than Si69 and more scorchy in final mix)	NR, SBR, NBR, EPDM, IR, BR
Alcanpoudre 172-70	Coupling agent in mineral-filled peroxide cured compounds	EPDM, PU, etc.

Other Chemicals

Product	Function	Compatible Rubbers
Norsolene S-105 (Cray Valley, USA)	Liquid hydrocarbon resin. Improves processing behavior. Influences important vulcanizate properties	NR, NBR, SBR, IIR, EPDM, Silicone
Cumar P-25 (Neville Chemical Co., USA)	Liquid cumarone indene resin. Tackifying resin with 25°C softening point.	NBR, other synthetic rubbers
Spider Sulfur (HallStar, USA)	Sulfur treated with magnesium carbonate to prevent sulfur crystal formation during vulcanization.	NR, SBR, Latex