



JAYAM
CHEMICALS LLP

Chemical Alchemy for a Boundless Future



**MANUFACTURER OF
SPECIALTY CHEMICALS**

PRODUCTS WE MANUFACTURE



Desiccant/Moisture Absorber



Product Name: JC CaO-T (Calcium Oxide)

Used With: Rubber And Plastic Compound

USP:

- Acts as a moisture scavenger, ensuring defect-free curing.
- Improves processability and prevents porosity or bubbles.
- Prevents blister formation during vulcanization.
- Enhances the shelf life of products by reducing moisture related issues.

Other Variet: JC CaO SF, JC CaO TL, JC CaO T180



Product Name: JC CaO GR-90 (Calcium Oxide Granules Coated With Hydrocarbon)

USP:

- Uniform easy dispersion
- Ensure Quick Moisture
- Reduces Surface Defects And Blistering
- Avoids Hazardous Dust

Treated Sulfur



Product Name: JAYSULF-96 (Treated Sulfur)

Used With: Natural and Synthetic rubbers especially in NBR

USP:

- Special coating prevents premature vulcanization and improves processing and storage, can replace insoluble Sulfur.
- Ensures uniform vulcanization and prevents blooming.
- Prevents Sulfur lumps that cause blisters and black spots in white/colored compounds.
- Enhances dispersion for better physical properties and longer service life in dynamic parts.

Product Name: JAYSULF-98 (Treated Sulfur)

Used With: Natural and Synthetic rubbers especially in NBR

USP:

- Ensures uniform vulcanization, reduces surface migration, and avoids blooming.
- Prevents Sulfur from re-agglomerating and forming lumps, which can cause blisters and black spots in white and colored compounds.
- Improved dispersion enhances physical properties both before and after aging.
- In dynamic flexing parts, it provides a longer service life.

Silane Coupling Agent



Product Name: JC SICA-69 (TESPT)

Used For: Natural And Synthetic Rubbers (For or with what is suitable)

USP:

- Strong chemical links for maximum reinforcement and durability.
- Improved filler dispersion and lower compound viscosity for easier mixing.
- Higher tensile strength, abrasion resistance, and tear resistance.
- Reduced rolling resistance with improved wet and dry traction.
- Ideal for tires, belts, hoses, footwear, and molded/extruded rubber goods.



Accelerator



Product Name: JC PowerMix (Combination of synergistic accelerators)

Used With: EPDM, NR, SBR, NBR, IIR

USP:

- Minimizes the need for multiple accelerators, lowering production costs.
- Delivers consistent and uniform vulcanization for superior quality.
- Ensures consistent quality across different batches, reducing variability in production.
- Eliminates lower storage and logistic issues

Other Variant: JC PowerMix Plus (Nitrosamine free)

Product Name: JC CURE ZBP (Zinc Dithiophosphate)

Used With: NR, EPDM, SBR, NBR, IIR

USP:

- Fast curing Nitrosamine Free secondary Accelerator.
- Mainly used as an accelerator in non-blooming, relative low cost, fast curing system for EPDM.
- In combination with thiozoles and Sulfenamides in NR compounds improves reversion resistance.
- Is non-discoloring and non-staining

Specialty Additives

Product Name: JC LUB PA-45 (Oleo Chemical Derivatives)

Used With: FKM, HNBR, ACM, AEM, EPDM, ECO, CSM, IIR

USP:

1. Acts as an internal lubricant, dispersing agent and mould releasing agent
2. Reduces mould fouling and improves absorption of fillers and extrusion properties of compounds
3. Reduces processing time and energy consumption



Product Name: JC LUB PE-72 (Oleo Chemical Derivatives)

Used With: NR, SBR, IR, NBR, EPD

USP:

- Use as process aid in extrusion and moulding compounds.
- Gives excellent flow properties and avoids mould fouling.
- Enhances the appearance and smoothness of the final product.

Product Name: JC TAK PP (Mixture of natural resin with aliphatic hydrocarbon)

Used With: Natural and Synthetic rubbers

USP:

- Excellent tackifier and plasticizer (Also retains tack after ageing)
- Improves mechanical properties
- Excellent processability even at very high fillers loading.
- Helps faster incorporation and better dispersion of fillers.

Other Variant : JC TAK PP 100

Petroleum Resin



Product Name: JC HP 110

Used For: Natural And Synthetic Rubbers (For or with what is suitable)

USP:

- Significantly improves tack and bonding between rubber components.
- Lowers viscosity and improves filler dispersion for smoother mixing.
- Works effectively with NR, SBR, BR, and IR
- Boosts aging resistance and end-product strength.
- Suitable for tires, belts, hoses, soles, seals, coatings, paints, inks.



Specialty Additives



Product Name: JC LUB PE - 09 (Polyethylene Wax)

Used With: EPDM, IIR, NR.SBR

USP:

- Excellent Flow properties in rubber compound
- Acts as a process aid in EPDM.
- Improves dispersion of fillers.
- Work as internal & external lubrication agent.

Activator For FKM



Product Name: JC EG-81 (Calcium Hydroxide)

Used With: FKM

USP:

- Crosslinking activator for Fluoroelastomer (FKM)
- Acts as an acid scavenger, neutralizing acidic byproducts.
- Enhances thermal stability of FKM in high-temperature applications.
- Helps to achieve optimal compression values at high temperature.

Acid Scavengers



Product Name: JC MAG (Magnesium Oxide)

Used With: FKM, CR, BIIR, CIIR, CPE, CSM, ECO

USP:

- Acts as an acid scavenger, neutralizing acidic byproducts during vulcanization.
- Serves as an activator, enhancing curing efficiency and cross-linking.
- Improves the thermal stability of rubber.

Functional Fillers



Product Name: JC Calcium Carbonate (Treated & Untreated)

Used With: Rubber, Plastic, Coting and PVC.

USP:

- Versatile mineral filler.
- Import excellent mechanical and processing efficiency.
- Enhances surface finishing, stiffness impact resistance & optical properties.



Polymer Bound Chemicals



Product Name: JC EPMix CaO-80 (Calcium Oxide and Dispersing agent Bounded with Elastomer)

Used With: EPDM

USP:

- Uniform dispersion ensures even moisture absorption.
- Reduces the risk of surface defects and blistering.
- Enhances the processing and final quality of moisture-sensitive elastomers.



Product Name: JC EPMix S-80 (Sulfur and Dispersing agent Bounded with Elastomers)

Used With: EPDM, NR, NBR, HNBR, IIR, Latex, IR, SBR

USP:

- Provides improved sulfur dispersion, reducing bloom in rubber compounds.
- Enhances the consistency of the curing process.
- Improves the mechanical properties of the final rubber products.



Product Name: JC EPMix PM-85 (Predispered Active Accelerator bounded with Elastomers)

Used With: EPDM, NR, NBR, IIR, SBR

USP:

- Ensures precise and even distribution of the accelerator.
- Improves curing uniformity and reduces the risk of scorching.
- Enhances processing efficiency and consistency in rubber formulations.

Other Variant: JC EPMix PM-85 Plus (Nitrosamine Free)



Product Name: JC EPMix MBTS-75 (Dibenzothiazole disulphide 75% with 25% Elastomer binder & dispersing agent. Used With All Types Of Conventional Elastomers)

USP:

- Shorting Mixing Time With Better dispersion
- Reduces Batch To Batch Variation
- Best Storage Stability
- Suitable For Automatic Weighing System



Product Name: JC EPMix Active ZnO ATS-75 (75% Active Zinc Oxide ,25% Elastomers Binder & Dispersing Agent)

USP:

- Easy To Handle with No Hazardous Dust
- Uniform curing due To Better dispersion

Great
Place
To
Work[®]

Certified

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INDIA



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