

PVC Additives

Quality is Our Destination



RP - ROSHA POLYMER
We Create Quality

About Rosha Polymer

Rosha Polymer develops innovative and sustainable PVC additives and stabilizers. Our mission is to enhance product quality, durability, and performance while minimizing environmental impact.

We are committed to eco-friendly formulations that meet global sustainability standards. With advanced technology and expertise, our products deliver reliable performance and support a greener future.

Our products are designed to:

- Enhance Quality: High performance and reliability in PVC applications.
- Extend Lifespan: Greater durability under demanding conditions.
- Optimize Cost-Effectiveness: Competitive pricing without compromising quality or sustainability.

By choosing Rosha Polymer, you partner with a company dedicated to sustainability, value, and environmental responsibility.

درباره روشا پلیمر

روشا پلیمر با تولید افزودنی‌ها و پایدارکننده‌های PVC، به بهبود کیفیت، دوام و کارایی محصولات کمک می‌کند و در عین حال اثرات زیست محیطی را کاهش می‌دهد. محصولات ما:

- کیفیت و عملکرد بالا
- طول عمر بیشتر
- قیمت رقابتی همراه با مسئولیت محیط زیستی

حول روشا پلیمر

تقدّم روشا بولیمِر إضافات ومثبتات PVC تعزّز جودة ومتانة وأداء المنتجات مع تقليل الأثر البيئي. منتجاتنا توفر:

- جودة وموثوقية عالية
 - عمر أطول
 - أسعار تنافسية مع مسؤولية بيئية
- مع روشا بولیمِر، تجتمع الجودة مع الاستدامة



About Rosha Polymer

At Rosha Polymer, we are dedicated to developing innovative and sustainable solutions in the field of PVC additives and stabilizers. Our mission is to enhance the quality, durability, and performance of PVC-based products while reducing environmental impact.

As a company committed to environmental stewardship, we focus on creating eco-friendly formulations that align with global sustainability standards. Leveraging cutting-edge technology and extensive expertise, we ensure our products deliver superior performance and contribute to a greener future.

Our product range is designed to:

- Enhance Quality:

Delivering high performance and reliability in PVC applications.

- Extend Lifespan:

Improving product durability, even under demanding conditions.

- Optimize Cost-Effectiveness:

Providing competitive pricing without compromising quality or environmental responsibility.

By choosing Rosha Polymer, you are partnering with a company sustainability, and exceptional value. Together, we can shape a future where high-quality solutions go hand in hand with environmental care.



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01.3

Heat Stabilizer For PVC Fittings

PVC fittings are critical components in piping systems, requiring exceptional mechanical strength, stability, and resistance to thermal degradation. Rosha Polymer's Heat Stabilizers ensure superior quality and longevity for PVC fittings by preventing thermal breakdown during high-temperature molding and installation processes.

Key Advantages:

- **Enhanced Thermal Stability:** Prevents degradation and discoloration during processing, ensuring clean, defect-free fittings.
- **Improved Mechanical Properties:** Maintains durability, impact strength, and structural integrity.
- **Cost Efficiency:** Optimized formulation allows for lower stabilizer usage, reducing production costs without compromising quality.

Rosha Polymer's Heat Stabilizers guarantee fittings that are strong, reliable, and capable of withstanding high stress and varying environmental conditions. These stabilizers are ideal for producing plumbing connections, joints, elbows, tees, and other critical components, ensuring secure and leak-free systems for water, gas, and industrial applications.

You can incorporate this stabilizer into your production process to efficiently manufacture your fittings using PVC S65, ensuring both quality and performance.

01.4

Heat Stabilizer For PVC Films and Sheets

In the production of PVC films and sheets, thermal stability, clarity, and surface finish are critical for achieving premium-quality products. Rosha Polymer's Heat Stabilizers ensure optimal performance by preventing thermal degradation during processing, preserving mechanical properties, and enhancing visual appeal.

Key Advantages:

- **Excellent Thermal Protection:** Prevents discoloration and decomposition during high-temperature processing.
- **Enhanced Transparency and Surface Quality:** Ensures a smooth, defect-free finish, ideal for films and sheets requiring optical clarity.
- **Cost Efficiency:** Formulated for lower dosages, reducing production costs while delivering consistent results.

Rosha Polymer's Heat Stabilizers are perfect for producing high-quality calendered sheets, flexible films, protective layers, and decorative sheets, widely used in construction, packaging, and automotive industries. With superior thermal resistance and cost-effectiveness, our stabilizers guarantee durability and reliability in end products.



01.5

Heat Stabilizer For PVC Profiles

PVC profiles are essential in construction and manufacturing, requiring high thermal stability and mechanical strength. Rosha Polymer's heat stabilizers are specifically formulated to prevent thermal degradation during processing, ensuring the durability and longevity of PVC profiles. Key Advantages:

- Enhanced Thermal Stability:**
Prevents discoloration and degradation during high-temperature extrusion processes.
- Improved Mechanical Properties:**
Maintains structural integrity and resistance to environmental factors.
- Cost Efficiency:**
Optimized formulations allow for lower dosages, reducing production costs without compromising quality.

Applications:
Ideal for manufacturing window frames, door profiles, and other structural components where precision and durability are paramount. By incorporating Rosha Polymer's heat stabilizers, manufacturers can produce PVC profiles that meet international quality standards, offering end-users products with superior performance and extended service life.

01.6

Heat Stabilizer For PVC Wall Panels

PVC wall panels require outstanding thermal stability, surface quality, and resistance to environmental factors to ensure long-term performance in interior and decorative applications. Rosha Polymer's Heat Stabilizers prevent thermal degradation during manufacturing, delivering panels with excellent durability, visual appeal, and reliability. Key Advantages:

- Enhanced Thermal Stability:
Prevents discoloration and decomposition during high-temperature extrusion processes.
- Smooth Surface Finish:
Ensures superior surface quality with uniform color and texture.
- Improved Durability:
Provides resistance to impact, wear, and environmental conditions.
- Cost Efficiency:
Optimized formulation reduces required dosage, lowering production costs while maintaining quality.

Applications:

Rosha Polymer's Heat Stabilizers are ideal for producing interior wall panels, decorative cladding, and ceiling panels, widely used in residential, commercial, and industrial spaces for their aesthetic and functional qualities.

With Rosha Polymer's advanced stabilizers, manufacturers can achieve wall panels that are easy to install, visually appealing, and highly durable, meeting the demands of modern construction and design.



01.7

Heat Stabilizer For PVC Edge Bands

PVC edge bands play a crucial role in providing a seamless finish and enhancing the durability of furniture and cabinetry. Rosha Polymer's Heat Stabilizers ensure thermal stability during production, delivering edge bands with exceptional strength, color consistency, and surface quality.

Key Advantages:

- **Superior Thermal Stability:**
Prevents discoloration and thermal degradation during extrusion processes.
- **Enhanced Surface Finish:**
Ensures smooth, uniform texture and high visual appeal.
- **Improved Durability:**
Offers excellent resistance to wear, impact, and environmental conditions.
- **Cost Efficiency:**
Optimized formulation reduces stabilizer consumption, lowering production costs.

Applications:

Rosha Polymer's Heat Stabilizers are ideal for producing furniture edge bands, decorative trims, and cabinetry profiles, ensuring long-lasting, aesthetically pleasing results for residential and commercial furniture applications. With Rosha Polymer's advanced stabilizers, manufacturers can produce edge bands that meet the highest standards of quality, combining durability, cost-effectiveness, and visual appeal.

01.8

Wire and Cable Stabilizers

Wire and cable stabilizers are essential additives for PVC formulations used in electrical insulation and sheathing. These stabilizers enhance the thermal stability, weather resistance, and durability of PVC, ensuring the safety and longevity of wires and cables. Designed for high-performance applications, they help PVC withstand extreme temperatures, UV exposure, and mechanical stress. Rosha Polymer's stabilizers ensure consistent quality, smooth processing, and compliance with international standards, making them ideal for electrical, telecommunication, and industrial cable manufacturing.

02

Impact Modifier (IM800)

PVC, like many plastics, is prone to brittleness. To improve the impact resistance of produced products, Impact Modifiers are added. These modifiers increase the toughness and flexibility of UPVC blends, preventing product failure under stress by absorbing and dissipating energy. IM800, a product by Rosha Polymer, is the ideal replacement for chlorinated polyethylene (CPE) and enhances product durability and softening temperature, ensuring better environmental stability.

Advantages:

- Improves impact strength
- Increases environmental stability
- High thermal resistance
- Facilitates processing
- Good compatibility and dispersion with PVC

Applications:

- UPVC profiles for doors and windows
- PVC pipes and fittings
- Cold bendable pipes
- PVC sheets and films
- PVC edge bands



03

Internal Lubricant (G60)

By applying heat during the PVC process, the particles break into smaller pieces, forming a cohesive melt in a phase known as gelling. Achieving high gelation is key to ensuring the quality of PVC parts. G60 is fully compatible with PVC and improves the dispersion of additives, including stabilizers, while reducing viscosity. This accelerates melting and enhances the gelling process compared to external lubricants, which may hinder the process by affecting PVC curing.

Advantages:

- Speeds up melting
- Reduces melting temperature
- Lowers required stabilizer levels
- Reduces melt viscosity
- Improves additive dispersion
- Increases production speed
- Enhances impact strength
- Improves product surface gloss and clarity
- Reduces die swell
- Lowers softening temperature



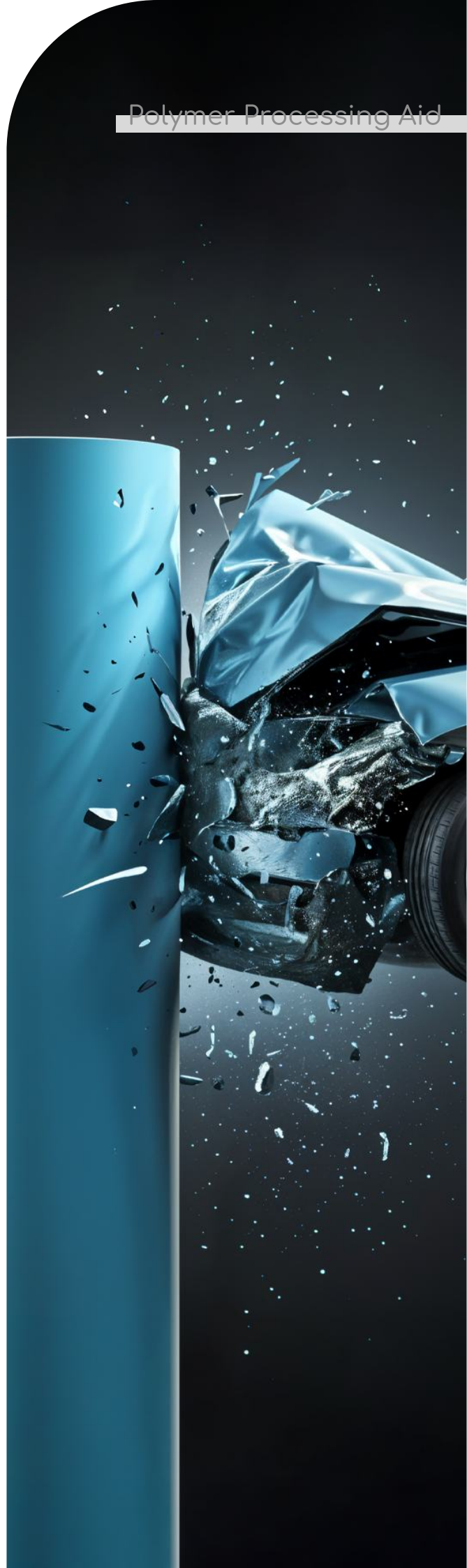
04

Polymer Processing Aid (PA-120)

Polymer Processing Aids (PAs) are essential additives for polymers, including PVC, to improve processing. Acrylic-based PAs enhance the processing of rigid and flexible PVC products such as pipes, profiles, films, and more. PA-120 from Rosha Polymer accelerates PVC melting, improving the homogenization and curing process, and contributes to better final product properties.

Advantages:

- Improves clarity
- Eliminates jet marks and sharkskin
- Enhances curing process
- Provides high gloss
- Increases output
- Improves melt viscosity
- Ensures uniform cell structure and wall thickness
- Enhances weather resistance



05

Brightening Powder for PVC

Brightening powder is an additive used in PVC products to improve their brightness and color consistency. It helps maintain a clean, high-quality appearance by preventing yellowing and discoloration during processing. This agent is especially beneficial in applications where visual appeal is essential, such as in flooring, sheets, and profiles, enhancing the aesthetic quality of the product while ensuring long-term durability and stability.

Advantages:

- Enhances product brightness and whiteness
- Prevents yellowing and discoloration
- Improves color consistency
- Maintains a clean, high-quality appearance
- Increases aesthetic appeal and visual standards

Applications:

- PVC profiles (e.g., window frames)
- PVC sheets
- Flooring
- Decorative PVC products

06

PVC Granules

PVC granules are versatile materials used in the manufacturing of a wide range of PVC products, such as pipes, fittings, window profiles, edge bands, wall panels, and more. These granules are designed for optimal performance, offering excellent durability, easy processability, and adaptability to various applications. Available in both rigid and flexible forms, PVC granules ensure high-quality output and comply with industry-specific standards. They are ideal for producing products with enhanced strength, resistance to weather conditions, and cost-efficiency, making them a reliable choice for diverse PVC applications.

PVC Granules





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