HARYANA
an Italian joint venture with
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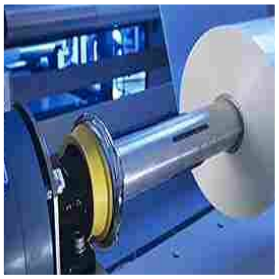
PVC Additives | Product Guide



High Performance Acrylic Processing Aids, Impact & Foam Modifiers for PVC Processing

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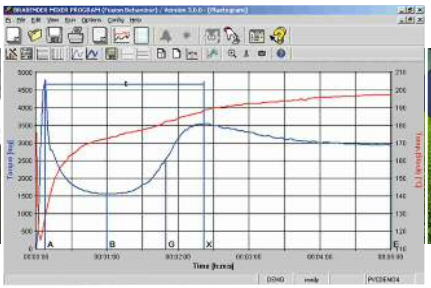
Years of excellence in Polymers

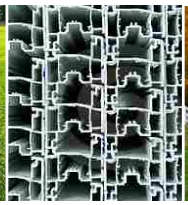
Plastic is not a villain
PVC window profiles, foam boards save trees

Dear Customer,
Haryana PVC presents here its most comprehensive range of Acrylic Processing Aids, Impact & Foam Modifiers for PVC (Poly Vinyl Chloride) applications. These have been developed by using state of the art research, application and production infrastructure. These products are targeted for wide area of PVC compounders, processors and extruders and calendaring applications which need improved Fusion, Melt Strength & Fluidity, Gloss, Weather Resistance and higher Impact Strength.

These processing aids are compatible with most of the modern stabilized systems, lubricants and foam regulators for various clear & opaque applications. With commitment to service and highest consistency on product and quality, Haryana has raised the bar for the competitors with their highly specialized Additives.

Our resolve to follow the ISO 9001:2015 quality system further makes our products the first choice for PVC processors in India and abroad.




PARACRYL 3055 IM / Acrylic Impact Modifier

PARACRYL 3055 IM - Acrylic impact modifier (AIM) is based on a unique "Core - Shell" acrylic molecular composition that imparts excellent impact strength, proven weatherability, flawless surface finish and ease of processing to outdoor and highly durable Vinyl and C-PVC applications. It is optimised for use with lead, tin and mixed metal stabilizers and offers lower melt viscosity and faster fusion and low post extrusion shrinkage while producing weatherable building products.

Applications :
- PVC pipes & fittings, profiles
- PVC sidings, fences
- Window frames, panels

PARACRYL 120 DF / Acrylic Processing Aid

PARACRYL 120 DF is a specially engineered as a "medium molecular weight" (IV 3.5 - 4) processing aid for enhanced process-ability of flexible and rigid vinyl compounds such as calendered sheets, blow moulded bottles, pipes, fittings and profiles. Its acrylic resin and dispersion system is tailored for excellent clarity/ transparency in all grades of vinyl stabilizing systems. In addition to faster fusion, 120 DF improves quality and surface finish of the product. It significantly shortens the fusion time, improves yield, results in higher melt strength and higher rupture stress while minimizing die swell. It is extensively tested for building products as well where good weather performance is critical.

Applications :
- Rigid and transparent films for packaging
- Calendered sheets
- Blow moulded bottles
- Pipes, fittings, automotive trims
- Window profiles, sidings

PARACRYL 120 TRF / Acrylic Processing Aid

The polymer composition of PARACRYL 120 TRF is designed to achieve a "lower molecular weight" (IV 2.3 - 2.5) as compared to 120 DF, which allows user more control on fusion and melt flow properties across a wide range of vinyl products. Besides its optimum use as a general purpose processing aid, its lower molecular weight ensures ripple free finishes particularly in transparent films –rigid or flexible. The processor can achieve better control on optical properties, fusion time, strength and yield of the end product. It can be safely blended with 120 DF for further optimization of melt flow behavior. Its proven weather-ability makes it an ideal choice for window profiles and building products that need tough weather endurance standards.

Applications :
- Rigid transparent PVC films
- Pipes, fittings, profiles
- Calendered sheets and blow moulded bottles
- Window profiles, sidings
- Auto parts and trims

PARACRYL 920 MTF / Acrylic Processing Aid

PARACRYL 920 MTF is the best in class, highly versatile, most efficient general purpose processing aid that can address almost the entire range of vinyl processors-from films to pipes and building products. Its monomer composition is unique and its molecular weight (IV 1.9 - 2.3) is optimised for use as a single component acrylic processing aid to serve all segments of stabilisers and product geometry – be it transparent or opaque. It enables excellent workability and dimensional stability. The finished product surface quality and transparency is improved significantly. Its use in window profiles augments uniform foaming and weather endurance.

Applications :
- Transparent calendered sheets, extruded films
- Extruded profiles, pipes, fittings
- Blow moulded containers
- Injection moulded parts

PARACRYL 175 TP/RF / Lubricating Acrylic Processing Aid

PARACRYL 175 TP/RF is a highly versatile, lubricating agent cum processing aid that works across all segments of vinyl products –from rigid to flexible and from transparent to opaque products. Its "Low-Medium Molecular Weight" (IV -2.2 - 2.4) structure is optimized for to improve hot metal release and melt flow for difficult to handle transparent films with no adverse effect on thermal stability and tensile properties. It promotes melt homogeneity, significantly enhances transparency and optical properties resulting in faster take-off and improved surface finish across a wide range of applications.

Applications :
- Transparent calendered sheets, extruded films
- Extruded profiles, pipes, fittings
- Blow moulded containers
- Injection moulded parts

PARACRYL 175 NA / Lubricating Acrylic Processing Aid

PARACRYL 175 NA is a lubricating acrylic processing aid for general purpose use to reduce PVC metal sticking and ensures excellent "Hot Metal Release Characteristics". Its low molecular weight polymer (IV 1.7 -1.9) provides the optimum "internal lubrication" and formulators can reduce the level of conventional external lubricants that usually retard fusion. Its function as processing aid will enhance melt homogeneity and is widely used in packaging applications, blow moulded containers, extruded profiles, injection moulded parts and also foamed sheets.
Caution: Paracryl 175 NA is not ideally suited for highly transparent applications and for that refer to Paracryl 175 TP/RF

Applications :
- General purpose packaging applications
- Injection moulded parts
- Blow moulded containers, extruded profiles

PARACRYL 490 HM / PVC Foaming Regulator cum Processing Aid

PARACRYL 490 HM is a "Very High Molecular Weight" (VHMW) acrylic co-polymeric PVC foaming regulator cum processing aid. Its molecular weight (IV 9.5 - 10.5) is optimized for achieving low density and efficient process- ability of cellular vinyl products by increasing inter-particle friction by breakdown of vinyl grain. It has multiple benefits: (1) reduced foam density, (2) improved surface finish and (3) cell uniformity. Due to its superior melt strength, it is ideal for foamed profiles, core pipes by generating outstanding profile shape with improved filling. It allows process optimization such as increased line speeds.

Applications :
- PVC foamed profiles
- PVC foamed sheets
- PVC foamed cored pipes

PARACRYL 912 UH / PVC Foaming Regulator cum Processing Aid

Best in its class, PARACRYL 912 UH is an "Ultra High Molecular Weight" (UHMW) multi layered co-polymeric processing aid with an unmatched molecular weight index (IV 11 - 12) achieved due to very low temp curing to lengthen the polymer chains. Specially designed for thicker cross sections, to ensure that deep core area of any cross section has no flaws and cell structure is uniform. The resultant product has: (1) much lower density (2) excellent surface quality, (3) cell uniformity, (4) improved impact strength while maintaining melt homogeneity. It not only increases inter-particle friction for accelerated fusion process, but also traps evolving gas and prevents bubbles from coalescing.

Applications :
- Wider and thicker foam sheets & boards
- WPC applications
- Celuka profiles & Foam-core pipes
- Reinforced composites

Committed to sustainable technologies

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