Pansu Technology

Company and Product Selection Guide

Functional additives and masterbatches for plastics compounders.

Pansu Technology (Jiangsu) Co., Ltd. develops functional additive and masterbatch solutions for plastics compounders.

Five technology families: flame retardancy, thermal stability, mineral toughening, compatibilization and other functional technologies.

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Product-selection information. Performance and addition levels must be evaluated in the complete formulation. References to UL 94 classifications describe evaluation targets, not a certification of the additive or every compound containing it.

PFAS-free descriptions apply only to specifically identified additive grades. Request the applicable grade-specific documentation. The substance status of a final compound depends on all constituents and the applicable specification.

English terminology reviewed 18 November 2026

Flame-Retardant Technology

Anti-drip additives for PTFE-replacement evaluation, char-forming additives and bromine-antimony system optimization for engineering plastics.

FR9088 | PFAS-free flame-retardant masterbatch

Promotes char formation and helps suppress dripping in PC formulations. Supports formulation development targeting UL 94 V-0 without PTFE.

Typical systems: Flame-retardant PC; needle-flame and UL 94 5VA evaluation projects

SF99 | PFAS-free anti-drip synergist

Helps suppress dripping in PC, PC/ABS and glass-fiber-reinforced PBT flame-retardant formulations. Intended for PTFE-replacement evaluation in selected systems.

Typical systems: PC, PC/ABS, PBT+GF

SF99A | PFAS-free anti-drip additive for reinforced polyesters

Helps suppress dripping in glass-fiber-reinforced PBT and PET flame-retardant formulations. Intended for PTFE-replacement evaluation in selected halogenated systems.

Typical systems: PBT+GF, PET+GF halogenated flame-retardant systems

SF75 | PFAS-free anti-drip synergist for ABS

Helps suppress dripping in flame-retardant ABS. Supports evaluation of formulations targeting UL 94 V-0 without PTFE.

Typical systems: Flame-retardant ABS

SF77 | PFAS-free synergist for ABS 5VA evaluation

Helps reduce burn-through in flame-retardant ABS formulations. Supports evaluation of UL 94 5VA targets without PTFE.

Typical systems: Flame-retardant ABS

FRC530 | Char-forming flame-retardant additive

Char-forming additive for PC/ABS formulation development targeting UL 94 5VA at 2.5 mm. Validate performance in the complete formulation.

Typical systems: Phosphazene/BDP flame-retardant PC/ABS

FRC670 | Char-forming flame-retardant additive

Char-forming additive for PC/ABS formulation development targeting UL 94 5VA at 2.0 mm. Validate performance in the complete formulation.

Typical systems: Phosphazene/BDP flame-retardant PC/ABS

SF96 | Flame-retardant synergist for polyamide

Helps optimize brominated flame-retardant and antimony-based synergist loadings in PA6 and PA66 formulations. Evaluate material cost, flame retardancy and comparative tracking index (CTI) together.

Typical systems: PA6+GF, PA66+GF halogenated flame-retardant systems

SF95 | Synergist for bromine-antimony flame-retardant systems

Helps reduce brominated flame-retardant and antimony-based synergist loadings. Evaluate material cost and mechanical-property retention alongside flame-retardant performance.

Typical systems: ABS, HIPS, PP, PBT, PA

SF95A | Synergist for bromine-antimony flame-retardant systems

Supports reduced brominated flame-retardant and antimony-based synergist loadings, with impact performance as a selection priority. Compare with SF95 under the same formulation and test conditions.

Typical systems: ABS, HIPS, PP, PBT, PA

FR95K | Additive for bromine-antimony flame-retardant systems

Helps reduce antimony oxide loading in selected formulations and supports evaluation of UL 94 V-0 targets at 1.6 mm. Evaluate addition level and impact strength alongside flame retardancy.

Typical systems: ABS, HIPS, PP, PBT, PA

Thermal Stability Technology

Heat-aging and processing-stability support for PC alloys, recycled PC/ABS, PA and filled compounds.

HER860 | PA thermal stabilizer

Improves PA color stability and helps retain mechanical properties after high-temperature aging in PA+GF systems.

Typical systems: PA, PA+GF, flame-retardant PA

HER855 | Thermal-stability masterbatch for PC and PC/ABS

Helps improve thermal stability in PC and PC/ABS, reducing color change and silver streaks during high-temperature processing.

Typical systems: PC, PC/ABS

HER853 | Thermal-stability masterbatch for recycled PC/ABS

Improves thermal stability in recycled PC/ABS and helps reduce color shift, silver streaks and degradation.

Typical systems: Recycled PC/ABS

HER870 | Thermal-stabilizing processing aid

Helps improve thermal stability and reduce silver streaks and visible surface fibers in filled and reinforced formulations. Also supports filler dispersion.

Typical systems: PC/ABS+talc, PC/PET+talc

HER880 | Thermal-stability masterbatch

Helps improve thermal stability and reduce degradation and silver streaks in PC, polyester and their blends.

Typical systems: PC alloys, PC/polyester alloys, polyester alloys

HER830 | Thermal stabilizer for flame-retardant ABS

Helps improve thermal stability and reduce yellowing, silver streaks and black marks in TBBA/CPE flame-retardant ABS formulations.

Typical systems: Flame-retardant ABS

HER852 | Thermal-stability masterbatch for flame-retardant PC/ABS

Improves thermal stability and silver-streak control in flame-retardant PC/ABS and flame-retardant PC/ABS+talc systems.

Typical systems: Flame-retardant PC/ABS, flame-retardant PC/ABS+talc

Mineral Toughening Technology

Surface-treated talc and toughening routes for balancing stiffness, impact strength and appearance in mineral-filled compounds.

HI580 | Toughener for mineral-reinforced systems

Improves impact strength in mineral-reinforced materials and helps balance high modulus with high toughness.

Typical systems: PC+talc, PC/ABS+talc, PC/PET+talc

TC205 | High-impact talc

Improves impact strength in ABS+talc filling systems and helps reduce assembly cracking and drop-cracking risk.

Typical systems: ABS+talc, ABS

TC206 | High-impact talc

Supports impact-strength improvement in talc-filled PC/ABS formulations using halogen-free flame-retardant systems. Evaluate impact strength and retained flame-retardant performance together.

Typical systems: Halogen-free flame-retardant PC/ABS+talc

TC207 | High-impact talc

Improves impact strength and cracking resistance in halogen-free flame-retardant PC/ABS+talc systems.

Typical systems: Halogen-free flame-retardant PC/ABS+talc

TC208A | High-toughness talc

Improves impact strength in flame-retardant PC, flame-retardant PC/ABS and PC/ABS talc-filled systems.

Typical systems: Flame-retardant PC, flame-retardant PC/ABS, PC/ABS

TC210 | High-thermal-stability talc

Helps improve thermal stability and reduce silver streaks during injection molding of talc-filled PC/PET and PC/ABS formulations.

Typical systems: PC/PET+talc, PC/ABS+talc

Compatibilization Technology

Compatibility and interface improvement for PC/ABS, PA/PPO and polyolefin/PS blends.

CA550 | Compatibilizer

Improves PC/ABS compatibility, weld-line strength and screw-boss cracking resistance.

Typical systems: PC/ABS

CA770 | Compatibilizer

Improves PA/PPO and PPO+GF compatibility and supports mechanical-property improvement.

Typical systems: PA/PPO, PPO+GF

CA650 | Compatibilizer

Improves PP/PS and PE/PS compatibility and increases impact strength in polyolefin/PS alloy systems.

Typical systems: PP/PS, PE/PS, PS/PP

Other Functional Technologies

Chemical resistance, gloss control and melt-strength support for application-specific material requirements.

RC100A | Chemical-resistance masterbatch

Helps improve chemical resistance in PC/ABS, PC and ABS, including resistance to paint-related solvent attack and swelling. Evaluate chemical resistance and mechanical-property retention together.

Typical systems: PC/ABS, PC, ABS

XG055 | Matte-finish masterbatch

Helps reduce gloss and produce a soft, fine surface finish. Also helps reduce jetting, silver streaks and uneven gloss in the listed resin systems.

Typical systems: PC/ABS, modified PC, modified ABS

MS350 | Melt-strength enhancer

Helps increase melt strength in HIPS extrusion and blow molding, reducing sagging and uneven wall thickness.

Typical systems: HIPS, GPPS, SBS

MS378 | Melt-strength enhancer

Helps increase melt strength in ABS blow molding, improving sag resistance and the surface quality of blow-molded parts.

Typical systems: Blow-molding ABS, SAN systems