

### Product Description

CT401Clear is a mechanical–chemical purging concentrate with no mineral filler, designed for material and color changes where transparency and optical finish are critical (optical channels and hot runners). Blend at 30–50% with the next polymer (virgin or regrind).

Non-foaming. Suitable for injection and extrusion molding.

Engineered to remove haze, pigments, deposits and gels from the screw, barrel, nozzle and hot runners without long soaks.

Suitable for: PC, PMMA, PC-ABS, ABS, SAN, PS, PA6, PA66, PA12, PETG, PBT .

### Features & Benefits

Use note: CT401 Clear is concentrate. Do not use pure. Always blend at 40–50% with the next production material (virgin or regrind) before purging.

- ‘Clear’ grade: mineral-free; safe for optical channels and hot runners.
- Fast action without soaking; several short renewals are enough to clean.
- Thermal stability for higher-temperature operations (PC/PMMA/PETG range).
- Process-friendly lubrication to stabilize torque/pressure and limit fines.
- Flexible use-cost: 30–50% dosage with virgin or recycled plant material.

### Compatibility & limitations

Compatible: PC, PMMA, PC-ABS, ABS, SAN, PS, PA6, PA66, PA12, PETG, PBT; PET (screw/nozzle quick clean only). Not recommended: PVC, POM (acetal), PVDF/fluoropolymers.

Hot runners / fine orifices: for delicate systems, run at 20–30% blend and keep a moderate flow. Avoid static soaks; use only short pauses ( $\leq 60$ –120 s).

Shelf Life Indefinite in sealed container.

### Physical Properties

Processing Temperature

240-305 °C

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