

## Technical Sheet

### Product Description

CT101 BSS is a mechanical–chemical purging concentrate grade, based on LLDPE with controlled mineral cleaning technology.

Blend at 30–50% with the next polymer (virgin or regrind), it is suitable for injection and extrusion molding. Specifically designed to address challenging color changes, severe black specks, deposits, and haze. CT101-BSS is non-foaming, formulated with ingredients approved for indirect food contact. It is suitable for PO (LD/LL/HDPE, PP), EVA/EMA/EBA, TPO, TPE, TPE-S, STYRENICS (PS, HIPS, ABS, SAN), PMMA, PETG, EVOH.

occasional use: PA6, PBT ≤ 265 °C.

Not recommended: PVC, POM (acetal), PVDF/fluoropolymers.

### Features & Benefits

Use note: CT101-BSS is a concentrate. Do not use pure. Always blend at 30–50% with the next production material (virgin or regrind) before purging.

- Hybrid cleaning: controlled mineral micro-scrub + compatibilization of polar residues.
- Cost/efficiency flexibility: adjustable 30–50% dosage with plant material.
- Optimized processability: built-in lubricants help reduce torque spikes and dust/fines generation.

### Compatibility & limitations

· It is suitable for PO (LD/LL/HDPE, PP), EVA/EMA/EBA, TPO, TPE, TPE-S, styrenics (PS, HIPS, ABS, SAN), PMMA, PETG, EVOH; occasional use: PA6, PBT ≤ 265 °C.

· For delicate hot runners or fine nozzles, use a 20% blend (i.e., lower concentrate ratio) and maintain moderate flow to minimize wear.

· Not recommended for PVDF, POM, or PVC.

Shelf Life Indefinite in sealed container.

### Physical Properties

Processing Temperature	170-260 °C
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### Blockage (degraded)

Minimum Orifice	>1mm
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Minerals	45 microns/325 mesh, medium- high Mohs hardness and angular shape for thorough scrubbing No CaCO <sub>3</sub> used
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Screen Pack	Recommend removal to prevent blockage of degraded materials
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