APEX-519 PROCESS RECIPE GUIDE

Impact modifier for Polypropylene

Rules for success

Proven in practice. Follow them for first-time-right results.

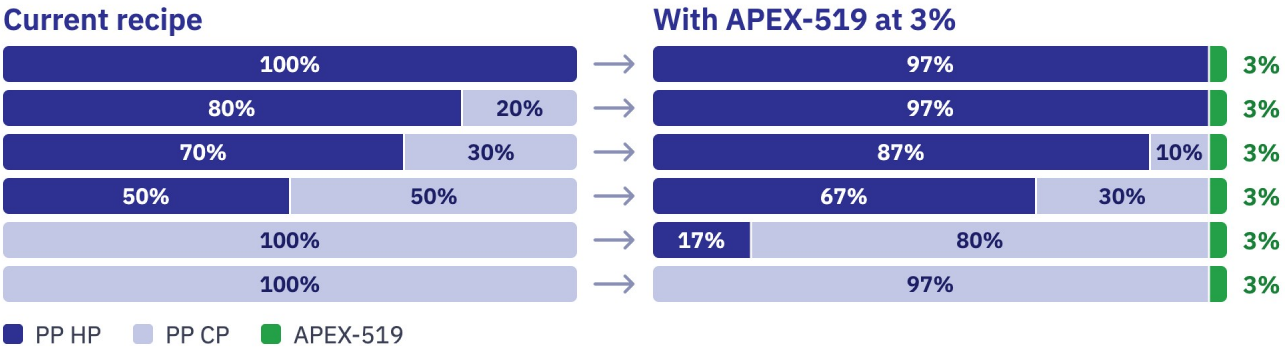
1 Use non-nucleated PP only

Works with non-nucleated, non-clarified grades: PP homopolymer | PP impact copolymer

Do not use APEX-519 with nucleated or clarified grades.

2 Replace up to 20% impact copolymer

With APEX-519, PP homopolymer (PP HP) can replace up to 20% PP impact copolymer (PP CP) in any recipe. Above 20%, keep the extra PP CP.



ⓘ In unfilled recipes, start with APEX-519 at **3%** and increase up to 5% if required

3 With fillers, use $CaCO_3$ only. Talc cannot be used.

Calcium carbonate is the only filler that qualifies; talc-filled recipes do not.

ⓘ With $CaCO_3$ filler, use APEX-519 at **2% maximum**

4 Check for hidden nucleators

- PP CP grades: must also be non-nucleated
- Phthalocyanine blue/green colours: may affect performance; trial first or ask your supplier for an ultramarine-based alternative
- Unknown regrind or recycled material: avoid, as it may contain nucleated PP or talc

Unsure? Ask us before your trial.

5 Handling

Blend APEX-519 thoroughly with your PP for uniform dispersion. Run a small trial first to confirm your target properties. You may fine-tune the recipe to suit your application. Store in a cool, dry place.

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