

Case Study: Using IncroMold™ K as an Anti-Scratch Additive

How to use IncroMold™ K to reduce scratch whiteness in automotive plastics

The customer problem

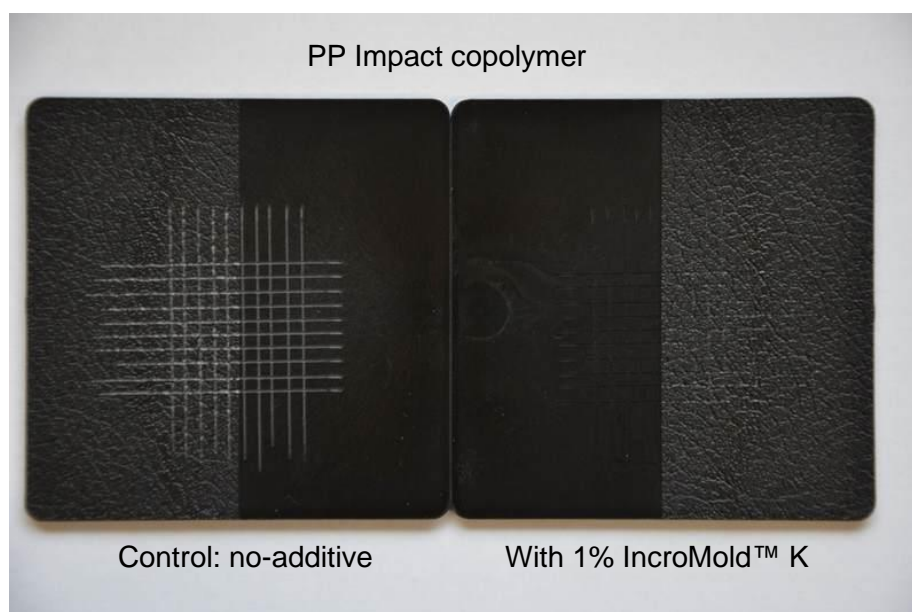
A customer was compounding polypropylene impact copolymer for use in automotive interior trim and was already using IncroMold S additive to bring mold release and anti-scratch benefits. The mold release performance of this product was great, but they wanted to know more about our range of anti-scratch additives. They needed a solution that would help to reduce scratch whiteness and visibility.

How did Cargill help?

Cargill offers a range of anti-scratch additives for different applications and polymers, each with its own benefit in use. Technical experts from the plastics R&D lab were able to speak to the customer about their formulation, application and specific requirements in the final part. Cargill was able to offer the customer a small number of samples to try in their compounding process, then we helped them to test the products by molding small plaques and performing scratch testing in our labs. Data for scratch width, depth and whiteness were produced. The results of the test were discussed with the customers and a product and addition level was suggested for the customer to use.

The solution

The results showed that IncroMold K additive gave better scratch results compared to the other additives tested. In particular, the IncroMold K additive demonstrated the best results for reducing scratch whiteness which resulted in the least visible scratch. The customer also observed that IncroMold K additives gave an advantage over competitor additives for gloss.



If you have further questions do not hesitate to reach out to your local representative.

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