

Product Data Sheet

IP1866 Nylon Purge Compound

Nylon and EVOH purge compound is designed specifically for rapid change-over in multilayer film extrusion. This thermoplastic compound is safe to use, is not abrasive or corrosive, and does not emit noxious fumes.

This specialty compound is highly effective in reducing change-over time and reducing scrap while improving manufacturing on-stream time. The film bubble is maintained during the transition.

Revolution in multilayer productivity

As compared to traditional purge methods, IP1866 provides the film producer with lower manufacturing costs and increased profitability. Testimonials :

- "It's about time someone developed a product like this" Purchasing Manager
 - "Change over to commercial rolls in 20 min" Shift Supervisor
 - "This stuff is the best I've ever used" Lead Operator
 "Nylon gone in 10 mins" Extrusion Manager

Based on customer trials on high output multilayer lines significant savings have been achieved.



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Purging procedure

IP1866 is used 'Neat' or 'As is' with no mixing or dilution. Bubble stability will remain during the purge process.

Purge Procedure

- 1. Empty Hopper for Nylon Extruder.
- 2. Add the Purge Compound at 100% to the Nylon Extruder.
- 3. The Temperature profile and RPM of the extruder must be kept the same as with Nylon.
- 4. The introduction of purge masterbatch in the multi-layer line is identified by an appearance of Haze in the film. The bubble is maintained. A slight adjustment to RPM may be needed to stabilize.
- 5. Once the IP1866 Purge hits the Bubble, purge for 10 to 15 minutes.
- 6. Cut the purge off after this time period and then go to next resin blend (PE or other).
- 7. After 10 to 15 more minutes the remainder of the IP1866 should be through the system and new blend should be running.
- 8. Nylon is typically purged out within 15 min. This can be confirmed by DSC or FTIR.

Demonstration of effectiveness



Graph shows rapid extraction of nylon over time and the great effectiveness at extracting it quickly. Purge time is as short as 10-20 minutes with IP1866 plus recovery with replacement resin in 5-10 minutes for a total transition time of 15-30 minutes.

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