Polyplast Müller

POLYPLUS LD 1925 ZZ

PURGE-COMPOUND

Masterbatch
Black. White. Colour. Additive.
Cable Compound
Toll Compounding

Guidelines for usage

Application

PolyPlus LD 1925 ZZ is a versatile stabilized and highly efficient purge compound based on LDPE. It is designed to reduce the cleaning time of extruder and plastification-unit of injection moulding machines to a minimum. It should be used during the disassembling und cleaning of the extruder and die, during planned stops of the equipment and also during material- and/or color-change.

Description

- PolyPlus LD 1925 ZZ contains abrasive wheel and surface-active ingredients which will clean the whole equipment mechanically as well as chemical from degraded polymer or pigments and die-deposits.
- The surface-active ingredients are also active during a stop if the PolyPlus LD 1925 ZZ stays within the equipment.
- PolyPlus LD 1925 ZZ used at the right temperatures will not stick to the metallic surfaces. Thus the parts of the equipment can be dismantled easily and cleaned if PolyPlus LD 1925 ZZ was used before stop of the equipment.
- PolyPlus LD 1925 ZZ is a compound which will allow the cleaning of the machine during extrusion.

Why to use a purge-compound?

- The usage of PolyPlus LD 1925 ZZ before a maintenance-stop or dismantling of the equipment can reduce the downtime for cleaning up to 50%.
- The highly efficient cleaning-properties of PolyPlus LD 1925 ZZ help to reduce the scrap during change of polymer and/or color in the equipment.
- Frequent use of PolyPlus LD 1925 ZZ within a maintenance-program prevents the build-up of degraded polymer in the plasticizing-unit and reduces the downtime of the equipment.

Guideline for the use of PolyPlus LD 1925 ZZ

1. For the start of the process the speed of the extruder should be reduced and the melt-temperature should be below 180°C. In case the temperature is below 180°C 50% PolyPlus LD 1925 ZZ should be added to the extruder. Proceed to reduce temperature.
2. At 160°C 100% PolyPlus LD 1925 ZZ should be used and continue the cleaning. Proceed to reduce temperature.

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3. At 140°C proceed with cleaning for 10 – 20 minutes. During this time alternate the speed of the extruder to flush the impurities.
4. Stop the equipment or change the settings for new material and/or color and feed the extruder with new material.
5. If PolyPlus LD 1925 ZZ was used to flood the extruder before a longer stop, start the extruder at 140°C with alternating speed for 10 to 20 min with 100% PolyPlus LD 1925 ZZ to finish cleaning. Than change the settings for new material and/or color and feed the extruder with new material.

Remark: PolyPlus LD 1925 ZZ is only active at lower temperatures. The recommended temperature range is from 100°C to 180°C. The lower the temperature in this range the better the cleaning efficiency. At 100°C the material will leave the equipment in form of powder. At temperatures below 140°C the viscosity is very high so the dismantling of screen pack and the die is recommended to prevent high pressure in the equipment. To prevent damages of the equipment at lower temperatures also other parts with low gap should be disassembled before the PolyPlus LD 1925 ZZ will be flushed.









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