

TECHNICAL DATA SHEET PURGE LDPE V3

PURGE LDPE-V3 is a cleaning and purging compound containing a high level of abrasive mineral additives and organic additive based on LLDPE.

This product is used to reduce cleaning times after extrusion of polyolefins in films or pipes and after injection moulding.

The compound remains relatively fluid and can be itself easily removed from the extruder or the injection machinery after purging.

CHARACTERISTICS

<i>Appearance</i>	<i>Opaque, greyish pellets</i>	
<i>Pellet Count (nb/g)</i>	<i>About 20-30</i>	<i>MO 69-700**</i>
<i>MFI (190°C, 2,16 kg)</i>	<i>1-3</i>	<i>M01-700**</i>
<i>Filler content %</i>	<i>About 39</i>	<i>MO 5-700**</i>
<i>Specific gravity g/cm³</i>	<i>About 1,25</i>	<i>MO 13-700**</i>

** Polytechs internal method

It contains no toxic, volatile, or corrosive additives.

USAGE

The use of PURGE LDPE V3 just before dismantling the equipment will reduce the cleaning time by more than 50%.

PURGE LDPE V3 allows as well to reduce significantly the amount of scrap generated when changing materials or colours.

We advise first to blend PURGE LDPE V3 together with the base resin of the last formulation and to reduce the temperatures and the speed of the screw.

After, use 100% of PURGE LDPE V3 while continuing to reduce temperatures.

The lower practical temperature for purging is about 130-140°C.

Finally, switch off the extruder or increase the temperatures to extrude the new material.

For start-up operations, purge the extruder at high and slow screw speeds for about 10 to 20 minutes with 100% of PURGE LDPE V3, at 140-150°C for example.

The better results of purging are obtained when temperatures remains below 160°C.

PACKAGING

The product is packed in 25 kg PE bags on 1375 kg shrink-wrapped pallets.

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