



**Natural fiber-based
PRE-PRG™ purging compound**
FOR PLASTICS PROCESSING INDUSTRY



Ecological and gentle purging compound

PRE-PRG™ S200 PURGING COMPOUND - a new, non-abrasive and ecological purging compound for plastics processing industry

- Highly efficient polymer purging compound primarily composed of renewable and recycled raw materials, does not contain any chemical cleaning additives.
- Suitable for cleaning of thermoplastic and thermoset processing machinery, and originally developed for cleaning the most demanding carbon black and graphite compounds.
- Efficient in polymer and color changes in everyday use.
- Optimized for extruders and injection molding (PE, PP, TPE).
- New purging grade for high temperatures available soon.

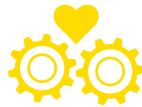
PROVEN EFFICACY – VARIOUS BENEFITS



Excellent results fast

Tested to give same results with 40% to 70% time saving.

- Less downtime
- Less or no need for mechanical cleaning between color changes



Machine friendly

Efficient non-abrasive mechanical cleaning with soft, natural fiber vs. abrasive glass fiber.



Sustainable choice

Made from more sustainable materials and less volume needed for same results.

- Reduces your CO2 footprint
- Can be recycled and disposed of in energy waste. Over 50% of ingredients are bio-based or recycled.



Economic choice

Our pilots indicate a reduction of 40% to 70% in the needed volume vs. neat polymers.

The total material cost with PRE-PRG™ is lower than with special purging compounds:

- Downtime savings
- Material usage of purging compound (kg)
- Cost of purging compound (€/kg)

STORY OF PRE-PRG™

With a curious mind, R&D expertise, and a desire to test different natural ingredients, the PREMIX R&D team started testing a new purging compound in our compounding lines. The results soon encouraged us to continue testing other types of plastic and powder coating processing machines.

After conducting several pilots with different companies in injection moulding, extrusion, cable industry, compounding, and powder coating, we are confident we have created something truly unique.

“Best ever purging compound we have used.”

- Production supervisor, powder paint manufacturer



PRE-PRG™ S200

Ecological purging compound for commodity polymers

Suitable polymers:

- PE
- PP
- TPE

PRE-PRG™ S200 is a highly efficient polymer purging compound primarily composed of renewable and recycled raw materials. PRE-PRG™ S200 does not include any chemical cleaning additives.

Suitable for extrusion and injection molding.

For optimal cleaning results, filling the screw to maximum and using maximum safe pressure is recommended.

Processing temperature 110 - 200 °C. Overheating may cause thermal degradation of the compound and formation of fumes.

The product is predried and does not require additional drying.

If the machine needs to be disassembled after using PRE-PRG™ S200, flushing it with natural HDPE is recommended for easier removal.

Material properties

	Unit	Standad	Value
Physical properties			
Specific gravity	g/cm ³		1.2
Melt Flow Index	g/10 min	ISO 1133 (190 °C / 5 kg)	0.7
Color			White

PRE-PRG™ is REACH and RoHS compliant.

Packaging

PRE-PRG™ S200 is supplied in granule form, packed in 25 kg polyethylene valve bags (1250 kg) on one-way pallet. The product can be stored up to one year in normal storing conditions.

The information in this datasheet represents typical values obtained by us and shall not be regarded as a product specification. The right to make any changes to the content and appearance of this document is reserved by Premix Oy. We condition that the product will be inspected and qualified by the customer for their process to meet the specific requirements set by application, processing equipment and the end product. The user of this product is held responsible for the evaluation of this product's suitability concerning applied legislation and possible patent infringements. We do not intentionally add or incorporate hazardous substances in our production.

Test PRE-PRG™ purging compound and compare the results!

Contact us to get sample volumes for testing and a price quote:

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PREMIX OY

Premix is a leading expert in polymer modification and the pioneer in electrically conductive compounds. We solve the plastic material challenges for our customers by compounding functionality into polymers and offering polymer modification services with carbon black as one of our core competence areas.

We are recognized as a trusted partner with state-of-the-art facilities and experience from over 40 years.

www.premixgroup.com/company/about-us/

PRE-PRG™ is a trademark of Premix Oy.
Patent pending.

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PREMIX