PW Nimus MB NU 31 - Series

Masterbatches for Higher Transparency in Polypropylene Homopolymers (PP-H)

The addition of additives from the PW Nimus MB NU 31 - Series offers the following advantages:

- impart high transparency to virtually any PP-H
- opportunities for optimization in the ares of production, procurement and logistics
- increased efficiency without the need for changes in equipment
- potential energy savings per part due to shorter cycle times and lower processing temperatures in comparison to polypropylene random copolymers (PP-R)
- improved appearance due to high clarity and translucent colors without the need for optical brighteners

PW Nimus Masterbatches of the NU 31 Series are tailored exactly to your needs and your polymer, which means that you achieve excellent compatibility with your base material and optimal homogeneity in the plastics you use. This tailored approach enables you to impart an outstanding degree of transparency to your materials – one that is usually only achievable with amorphous glass-like plastics. Your range of applications is no longer limited to the food packaging sector, but covers technical components with particular aesthetic requirements and medical applications requiring specific approvals[1].

[1] Declarations of conformity for food and medical applications are available on request.

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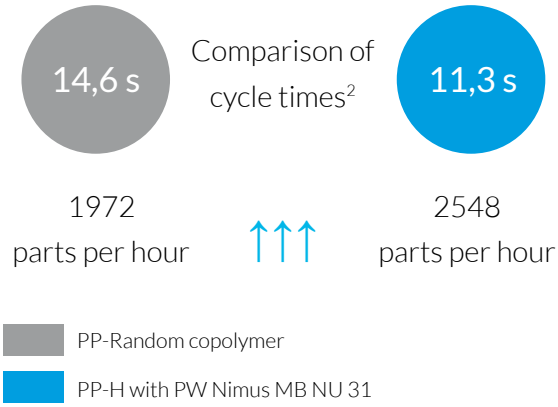
POLYMERWERKSTATT

PW Nimus MB
NU 31 - Series

Up to 20% Reduction in Material Costs compared to Transparent PP-R

PW Nimus Masterbatches of the NU 31 - Series are precisely tailored to your base material. This means that your choice of the processing method is no longer limited to injection molding, but also includes thermal and blow molding processes. These enable the realization of greater wall thicknesses in thick-walled plastic components.

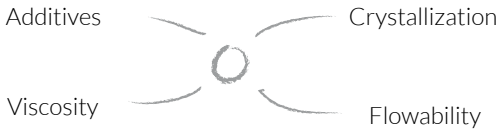
Increase in Efficiency



The precise tailoring of PW Nimus MB NU 31 masterbatches to your base material enables you to achieve an increase in efficiency of up to 25%.

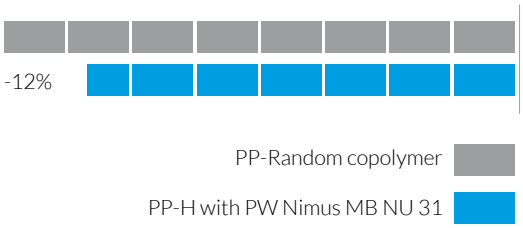
[2] Calculation is based on production trials with a Netstal Synergy 5000 and an 8 cavity mold at 20°C mold temperature

Precise Tailoring of Properties



Precise tailoring and coordination of individual properties ensures optimal homogeneity at maximum levels of compatibility.

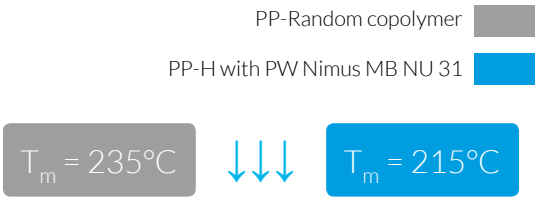
Optimization in Cycle Time



Enhanced processing conditions, including:
- higher injection and dosing speeds,
- lower cylinder and melt temperatures,
- improved flow behavior, and
- higher crystallization temperature

enable you to achieve a reduction in cycle time of up to 12% in comparison to PP random copolymers.

Enhanced Process Conditions



Lower cylinder temperatures mean more efficient utilization of energy due to increased shear rates, material-friendly melting behavior and improved organoleptics.

Our Service includes:

- Free initial consultation
- Assistance with the optimization of production processes
- Coordination of materials
- Creation of technical documentation
- Calculation of potential energy savings

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