

TECHNICAL DATA SHEET

Name	Polypropylene Flow Modifier
Marking	ADDITECH®
Grade	HM 010 PP

PRODUCT:

Properties	Test method	Result
Polymer carrier	--	PP
Working temperature, °C	--	200-260
Appearance	--	granules

RECOMMENDED USE:

The concentrate is used to increase the melt flow of polypropylene during extrusion. The product contains a highly effective peroxide, which allows to influence the rheological properties of polypropylene. **HM 010 PP** is used in the processing of homopolymers and copolymers of polypropylene.

Recommended dosage and change of MFI

Content HM 010 PP	Change of MFI Working temperature 220°C	Change of MFI Working temperature 250°C
0%	3	3
0,5%	10	15
1%	20	35
2%	35	40

The given dosages and the results of the increase in MFI were obtained in laboratory conditions when testing primary polypropylene. The exact dosage is determined directly in industrial production. When working with secondary polypropylene, dosages may vary. The final result is affected by the processing temperature and the residence time of the melt in the extruder.

Avoid the use of the product together with polyethylene, ethylene copolymers, rubbers and some thermoplastic elastomers due to the crosslinking reaction.

To obtain a stable and high-quality result, a good distribution (mixing) of the additive in the mixture is required. Small changes in the concentration of peroxide or process temperature can lead to significant differences in the indicators of MFI.

This information is a reference. The exact percentage of the input must be determined by the consumer individually in the process of testing the test samples.

STORAGE AND TRANSPORTATION:

Storage: Masterbatch must be stored in dry warehouses with a minimum distance of 1m from the heat source with a relative humidity of 40-80% without direct sunlight. Sudden changes in temperature during storage can lead to condensation of moisture inside the package.

In order to minimize loss of quality during storage, it is important that the recommended maximum storage temperature is not exceeded.

The maximum shelf life is 6 months in a cool, dry place, avoiding exposure to sunlight and heating above 300C.

Transportation: covered carrier vehicles

TOXICOLOGICAL AND FIRE PROPERTIES:

The product is nontoxic. It does not require special security measures. In case of fire the product is extinguished with foam, powder and carbon dioxide fire extinguishers.

TECHNOCOM LLC, TECHNOPLAST LLC

Stepana Bandery ave., 6
BC 'Pochaina-Centre', office 607
04073, Kyiv, Ukraine

+38 (044) 392 02 50

sales@technocom-masterbatches.com

TECHNOCOM COMPOUNDS D.O.O

Ljubljanska c.3A
3000, Celje, Slovenia

+386 (03) 425 59 85/69

technocom@siol.net

FACTORY

Pokrovska Str 1 B/3
08200, Irpin, Ukraine

irpin@technocom-masterbatches.com

office@technocom-masterbatches.com

www.technocom-llc.com

www.technocom-compounds.com

ISO 9001:2015

BUREAU VERITAS
Certification



Information, procedures and recommendations specified in this document (hereinafter "information") are based on our experience, and we consider them to be reliable. The Company does not provide any statements or guarantees to ensure the accuracy and completeness of the information, the exclusion of losses and damages or the achievement of the desired results due to this information. Determination of the suitability of the use of the goods for certain purposes is the sole responsibility of the user. The user should not assume that all safety measures are indicated here and that no additional measures are required. Employees, distributors and intermediaries do not have the authority to modify the facts described above or to provide a guarantee of technical performance