PRODUCT DATA SHEET

05.02.2025 Ed.4

Polypropylene

HA507MO

Polypropylene Homopolymer

Description

HA507MO is a low melt flow rate polypropylene homopolymer intended for extrusion and compression moulding of sheets.

It is characterised by a good processability, a good long-term stability and a high stiffness. As all polypropylenes, it shows excellent stress resistance and a good resistance to chemicals.

Applications

HA507MO is intended for following applications:

Sheets and profiles

Physical properties

Property	Typical value *	Unit	Test method
Melt flow rate （230 °C/2.16 kg)	0.8	g/10min	ISO 1133-1
Tensile modulus	1500	MPa	ISO 527-2
Tensile stress at yield （50 mm/min)	37	MPa	ISO 527-2
Tensile strain at yield （50 mm/min)	7	%	ISO 527-2
Charpy impact strength, notched （23 °C)	6	kJ/m²	ISO 179-1/1eA

* Data should not be used for specification work

Processing techniques

HA507MO is easy to extrude and can be processed in all machines suitable for PP extrusion.

Processing setting	Typical value/range
Barrel temperature	190 - 230 °C
Die temperature	180 - 230 °C
Melt temperature	180 - 230 °C

Packaging and storage

HA507MO should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.

Product compliance documents

Latest versions of product safety information sheets (PSIS), product safety data sheets (SDS) and other product liability documents are available in our website www.borealisgroup.com.

Sustainability aspects

Borealis is ever mindful of the impact of our products on the planet. We promote Design for Circularity (DfC) and Design for Recycling (DfR) to conserve natural resources and to reduce the environmental impact of products over their entire lifetime (including production, use phase and after phase). DfR helps ensure that material can be effectively recycled while maximizing the material performance efficiency. Further information on sustainability and Design for Recycling (DfR) can be found from our websites www.borealisgroup.com and www.borealiseverminds.com.

BOREALIS

Polypropylene

HA507MO

Disclaimer

The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.
To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however we do not assume any liability whatsoever for the accuracy and completeness of such information.
Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.
It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.
No liability can be accepted in respect of the use of any Borealis product in conjunction with any other products and/or materials. The information contained herein relates exclusively to our products when not used in conjunction with any other material unless as specifically provided for in the test methods stated above.

Borealis AG | Trabrennstrasse 6-8 | A-1020 Vienna | Austria
Telephone: +43 1 22 400 0* | Fax: +43 1 22 400 333
Website www.borealisgroup.com