

ADVANCED PRODUCT DATA SHEET



PETRONAS

MFR 12

Density 900

PROPELINAS HOMOPOLYMER H500NG

Polypropylene Homopolymer

DESCRIPTION

PROPELINAS HOMOPOLYMER H500NG is a polypropylene homopolymer used for general purpose injection moulding applications. It exhibits good flow and stiffness. Suitable for food contact.

CHARACTERISTICS include:

- Medium flow
- Medium stiffness

APPLICATIONS include:

- Furniture
- Housewares

| Product Properties | Test Method | Units | Value |
|--------------------------------|-------------|-------------------|-------|
| Melt Flow Rate (230°C/2.16 kg) | ISO 1133 | g/10 min | 12 |
| Flexural Modulus | ISO 178 | MPa | 1300 |
| Tensile Stress at Yield | ISO 527 | MPa | 32 |
| Izod Notched at 23°C min (*) | ISO 180/1A | kJ/m ² | 2.5 |

(*) Injection moulding procedure for specimen as per ISO 180/1A

Typical Processing Conditions

N/A

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AVAILABILITY

PROPELINAS HOMOPOLYMER H500NG is available in 25kg bag and bulk bag. The product type and batch number are clearly marked on each bag.

STORAGE/HANDLING

PROPELINAS HOMOPOLYMER H500NG should be properly stored in well ventilated environment at a temperature of below 50°C. Prolonged or improper storage can result in deterioration of product properties. The PETRONAS Chemicals Safety Data Sheet (SDS) contains important safety information and should be viewed before using the product.

HEALTH & SAFETY

PROPELINAS HOMOPOLYMER H500NG is not classified as a dangerous preparation. Please refer to our Safety Data Sheet (SDS) for details on various aspects of safety, recovery and disposal of the product.

PRODUCT STEWARDSHIP

PETRONAS aims to increase awareness of all the hazards associated with the storage, handling and use of its products. Thoroughly reviewing the accompanying Safety Data Sheets and disseminating the information to all dependent and interested parties is an essential part of any 'Responsible Care' programme.

RELATED DOCUMENTS

The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

- Safety Data Sheet (SDS)
- Statement on chemicals, regulations and standards

FOR MORE INFORMATION

Please contact [PETRONAS Chemicals Group Berhad \(PCGB\)](#), Level 34, Tower 1, PETRONAS TWIN TOWER, KLCC, 50088 KUALA LUMPUR, MALAYSIA.

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