



H020BG

POLYPROPYLENE HOMOPOLYMER FOR BLOW MOULDING AND SHEET

Nayara H020BG is polypropylene Homopolymer made with Unipol technology using state of the art catalyst system. The grade architecture provides higher melt strength required for Extrusion Blow moulding and sheet extrusion. The grade is characterized with excellent processability and superior mechanical properties.

APPLICATIONS

Small Blow molded containers for food / pharma packaging, sheets, ball pen refills, strappings, stationery articles, sheets for thermoformed containers, straws etc.

TYPICAL PROPERTIES

| PROPERTY | UNIT | TEST METHOD | TYPICAL VALUE |
|--|-----------|-------------|---------------|
| Resin Properties | | | |
| Melt Flow Rate (230/2.16 Kg) | g/10 min. | ASTM D1238 | 2.0 |
| Mechanical Properties | | | |
| Tensile Yield Strength | MPa | ASTM D638 | 37 |
| Elongation at Yield | % | ASTM D638 | 8 |
| Flexural Modulus (1 % Secant) | MPa | ASTM D790A | 1700 |
| Izod Impact Strength | J/m | ASTM D256 | 45 |
| Hardness | Shore D | ASTM D2240 | 70 |
| Thermal Properties | | | |
| DSC Melting Point | °C | ASTM D3418 | 160 - 165 |
| Heat Deflection Temperature (0.45 MPa) | °C | ASTM D648 | 95 |

Note: All the properties mentioned above are typical properties and not to be considered as specifications. All the mechanical properties on ASTM D638 Type I specimen when molded according to ASTM D4101.

DISCLAIMER

The information provided in this technical data sheet is true to the best of our knowledge. The data provided in the document is for reference only. Nayara energy do not guarantee or warrant the performance of the end product made from this grade. It is sole responsibility of the user to ascertain the suitability of the grade for intended application and process. This document is not a suggestion to use our grade.

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