



NAYARA

CHEMISTRY THAT PERFORMS

H120IG

Provisional

POLYPROPYLENE HOMOPOLYMER FOR INJECTION MOULDING APPLICATIONS

Nayara H120IG is Polypropylene Homopolymer made with Unipol technology using state of the art catalyst system. The grade is designed for general purpose injection moulding applications. The articles made from H120IG exhibit high stiffness and very good dimensional stability.

APPLICATIONS

General purpose injection moulded articles, as a blending component in furniture / automotive compounds, general purpose containers for food / pharma packaging, household articles etc.

TYPICAL PROPERTIES

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
Resin Properties			
Melt Flow Rate (230° C. /2.16 Kg)	g/10 min.	ASTM D1238	12.0
Mechanical Properties			
Tensile Yield Strength	MPa	ASTM D638	36.0
Elongation at Yield	%	ASTM D638	7.0
Flexural Modulus (1 % Secant)	MPa	ASTM D790A	1550
Izod Impact Strength	J/m	ASTM D256	30
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	104

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

Not to be used in the manufacturing of single use plastics (SUP) items prohibited under PWM Rules-2016 including plastic sheets < 50 microns thickness, non-woven carry bags < 60 GSM, carry bags < 120 microns thickness.

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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