



H036RG

POLYPROPYLENE HOMOPOLYMER FOR RAFFIA TAPES & SHEET APPLICATION

Nayara H036RG is polypropylene Homopolymer made with Unipol technology using state of the art catalyst system. The grade is designed for high line speed, high throughput raffia extrusion lines without compromising on mechanicals. The superior catalyst technology and special additives used in making this grade allows smooth processing with low water carry over at higher throughputs without any breaks to produce high tenacity tapes used for making woven sacks.

APPLICATIONS

Woven sacks for Fertilizer, Cement, polymer packaging; Leno bags for packaging of agricultural produce, wrapping fabric, FIBC, monofilaments, ropes, sheets for thermoforming.

TYPICAL PROPERTIES

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
Resin Properties			
Melt Flow Rate (230/2.16 Kg)	g/10 min.	ASTM D1238	3.6
Mechanical Properties			
Tensile Yield Strength	MPa	ASTM D638	37.0
Elongation at Yield	%	ASTM D638	8.0
Flexural Modulus (1 % Secant)	MPa	ASTM D790A	1600
Izod Impact Strength	J/m	ASTM D256	40
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 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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