



H034EG

POLYPROPYLENE HOMOPOLYMER FOR BOPP & CPP FILM PRODUCTION

Nayara H034EG is polypropylene Homopolymer made with Unipol technology using state of the art catalyst system. The grade architecture facilitates high line speed processing and stretching for BOPP thin films production with close thickness tolerance, high transparency and gloss.

APPLICATIONS

BOPP films for food packaging laminates, cigarette overwrap, and flower overwrap, Textile packaging, adhesive tapes, metallized BOPP films etc.

TYPICAL PROPERTIES

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
Resin Properties			
Melt Flow Rate (230/2.16 Kg)	g/10 min.	ASTM D1238	3.4
Mechanical Properties			
Tensile Yield Strength	MPa	ASTM D638	33.0
Elongation at Yield	%	ASTM D638	9.0
Flexural Modulus (1 % Secant)	MPa	ASTM D790A	1450
Izod Impact Strength	J/m	ASTM D256	50
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
BOPP Film Properties (Thickness: 20 µ)			
Haze	%	ASTM D1003	< 1.0
Gloss @ 45 °	GU	ASTM D2457	> 90

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 does not guarantee or warrant the performance of the end product made from this grade. It is the 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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