



# H380FG

## POLYPROPYLENE HOMOPOLYMER FOR NON-WOVEN APPLICATIONS

Nayara H380FG is polypropylene Homopolymer made with Unipol technology using state of the art catalyst system. The grade is controlled Rheology (CR) grade having narrow molecular weight distribution. The grade is formulated with anti-gas fading additive. The grade architecture allows the grade to be processed at high line speeds for producing non-woven fabrics and fine denier multifilament yarns.

### APPLICATIONS

Fine denier multifilament yarns, POY, FDY, Non-woven fabric for hygiene applications, Medical and healthcare applications, Personal care products, Industrial applications.

### TYPICAL PROPERTIES

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
<b>Resin Properties</b>			
Melt Flow Rate (230/2.16 Kg)	g/10 min.	ASTM D1238	38.0
<b>Mechanical Properties</b>			
Tensile Yield Strength	MPa	ASTM D638	32.0
Elongation at Yield	%	ASTM D638	7.0
Flexural Modulus (1 % Secant)	MPa	ASTM D790A	1300
Izod Impact Strength	J/m	ASTM D256	20
Hardness	Shore D	ASTM D2240	70
<b>Thermal Properties</b>			
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.

### 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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