



**Brahmaputra Cracker
and Polymer Limited**



WH034N

Polypropylene for Raffia & Monofilament

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GAIL (India) Ltd.

(India's Youngest Maharatna)

(Provisional Technical Datasheet)

Product Description & Typical Applications:

WH034N is a Propylene homopolymer for stretched tape and yarn applications. It combines low water carry-over with good processability & excellent mechanical properties. It is used for manufacturing woven sacks for cement, fertilizer, food grain, sugar packaging etc., leno bags, ropes and monofilament. It is also recommended thermoforming applications.

Property	Values*	Unit	Test Method
Melt Flow Index (I ₂ - 230°C)	3.4	gm/10min	ASTM D1238
Tensile Strength @Yield	340	kg/cm ²	ASTM D638
Elongation @Yield	9	%	ASTM D638
Flexural Modulus	15000	kg/cm ²	ASTM D790
Vicat Softening Point	154	°C	ASTM D1525

* Typical characteristics of the product given purely as a guide. Mechanical properties were determined on Injection molded samples.

Processing Guidelines:

Barrel temperature: 220 -280°C

Die temperature: 265 -285°C

Regulatory Information:

Certificate is available on request.

Packaging & Storage:

WH034N is available in natural colour/pellet form in 25 kg strong bags made of woven fabric. The product should be stored in dry conditions at temperature below 50°C and protected from UV light.

For any technical assistance contact:

GAIL Polymer Technology Centre

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The information, data and suggestions contained herein are to the best of our knowledge accurate and reliable. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user specific application.

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