



**Brahmaputra Cracker  
and Polymer Limited**



**IH120N**

**Polypropylene for TQ Film**

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**GAIL (India) Ltd.**

(India's Youngest Maharatna)

**(Provisional Technical Datasheet)**

## Product Description & Typical Applications:

**IH120N** is a Propylene homopolymer for general purpose injection moulding applications, rigid packaging, furniture, house-ware & closures etc.

Property	Values*	Unit	Test Method
Melt Flow Index ( $I_2$ @ 230°C)	12	gm/10min	ASTM D1238
Tensile Strength @Yield	350	kg/cm <sup>2</sup>	ASTM D638
Elongation @Yield	8	%	ASTM D638
Flexural Modulus	15500	kg/cm <sup>2</sup>	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: 200 -280°C

Mould temperature: 40°C

## Regulatory Information:

Certificate is available on request.

## Packaging & Storage:

IH120N 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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