



GAIL (India) Ltd.

(A Govt. of India Undertaking)

Petrochemicals Marketing

B63A003/B63A003N

High Density Polyethylene for Blow Moulding

Product Description and Typical Applications:

B63A003/B63A003N is recommended for medium size containers upto 15L mainly for foodstuffs like edible oil, ghee etc. It offers an optimum combination of toughness, stiffness, stackability and processability. The material conforms to natural resin designation IS 7328-3-BB-HXDA of IS 7328:2020.

Property	Values*	Unit	Test Method
Melt Flow Index (I ₂)	0.40	g/10min	ASTM D1238
Density @ 23°C	0.963	g/cc	ASTM D1505
Tensile Strength @ Yield	280	kg/cm ²	ASTM D638, Type IV
Elongation @ Yield	09	%	ASTM D638, Type IV
Flexural Modulus	12000	kg/cm ²	ASTM D790
Izod Impact Strength	350	J/m	ASTM D256
Shore D Hardness	67	-	ASTM D2240
ESCR (10% Igepol), F ₅₀	>24	hrs	ASTM D1693
Vicat Softening Point	125	°C	ASTM D1525

* Typical characteristics of the product given purely as a guide. Mechanical properties were determined on compression moulded specimens.

Processing Guidelines:

Barrel temperature: 160 - 190°C

Mold temperature: 25 - 40°C

Blowing pressure: 2 to 8 kg/cm²

Regulatory Information:

Certificate is available on request.

Packaging & Storage:

B63A003/B63A003N is available in natural colour, pellet form in 25 kg woven sacks. 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, GAIL (India) Limited

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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.