



GAIL (India) Ltd.
(A Govt. of India Undertaking)
Petrochemicals Marketing Division

T50A010

High Density Polyethylene for Tarpaulins and Wrapping fabrics.

Application: T50A010 is suitable for manufacturing low denier stretched tape products like Tarpaulins, Wrapping fabric for industrial and consumer uses, Woven sacks and other stretched tape products with optimum combination of tenacity and elongation. It has excellent processability with low water carry over and high stretchability.

Property	Values*	Unit	Test Method
Melt Flow Index (I ₂)	1.10	g/10min	ASTM D1238
Density (at 23°C)	0.950	g/cc	ASTM D1505
Tensile Strength @ yield	230	kg/cm ²	ASTM D 638
Elongation @ yield	12	%	ASTM D 638
Flexural modulus	9000	kg/cm ²	ASTM D790
Vicat softening point	123	°C	ASTM D1525

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

Processing Guidelines:

Barrel temperature: 200 -260°C

Die temperature: 245 -260°C

Regulatory Information:

Certificate is available on request.

Packaging & Storage:

T50A010 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.