



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

T50A010

High Density Polyethylene for Tarpaulins and Monofilament Applications

Product Description and Typical Applications:

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. It is also suitable for low denier Monofilament applications like Fishing, Mosquito nets. It has excellent process-ability with low water carry over and high stretch-ability. The material conforms to natural resin designation IS 7328-3B-TB-FXDA of IS 7328:2020.

Property	Values*	Unit	Test Method
Melt Flow Index (I ₂)	1.0	g/10min	ASTM D1238
Density @ 23°C	0.950	g/cc	ASTM D1505
Tensile Strength @ Yield	230	kg/cm ²	ASTM D638, Type IV
Elongation @ Yield	12	%	ASTM D638, Type IV
Tensile @ Break	150	kg/cm ²	ASTM D638, Type IV
Flexural Modulus	8500	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 moulded specimens.

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 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:

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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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