



GAIL (India) Ltd.

(A Govt. of India Undertaking)
Petrochemicals Marketing

W52ASR009/W52ASR009N

High Density Polyethylene for Monofilament Extrusion

Product Description and Typical Applications:

W52ASR009/W52ASR009N is especially suitable for medium tenacity yarn monofilament based ropes, twines, fishing/sporting nets etc. It exhibits good processability with optimum balance of strength and elongation. The material conforms to natural resin designation IS 7328-3-LB-HXDA of IS 7328:2020.

Property	Values*	Unit	Test Method
Melt Flow Index (I ₂)	0.45	g/10min	ASTM D1238
Density @ 23°C	0.964	g/cc	ASTM D1505
Tensile Strength @ Yield	260	kg/cm ²	ASTM D638, Type IV
Elongation @ Yield	09	%	ASTM D638, Type IV
Elongation @ Break	>600	%	ASTM D638, Type IV
Flexural Modulus	11000	kg/cm ²	ASTM D790
Vicat Softening Point	124	°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: 210 - 270°C

Regulatory Information:

Certificate is available on request.

Packaging & Storage:

W52ASR009/W52ASR009N 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.