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

D22S010 A

Linear Low Density Polyethylene for Drip Irrigation Extrusion pipe

Typical Applications: It is recommended for drip irrigation extruded products. This grade meets the requirements of material as per IS 12786:1989 on "Irrigation equipment- polyethylene pipes for irrigation laterals – specification." When incorporated with adequate quantity of carbon black as specified in clause 4.1 of IS 12786:1989, the pipe made from this grade meets hydrostatic characteristics (creep rupture stress requirement) for PE-25 material.

Property	Values	Unit	Test Method
Melt Flow Index (I_2)	1.0	g/10min	ASTM D1238
Density	0.922	g/cc	ASTM D1505
Tensile Strength @ Yield	130	kg/cm^2	ASTM D638
Elongation @ Yield	13	%	ASTM D638
Flexural modulus	3500	kg/cm^2	ASTM D790
Vicat softening point	118	^0C	ASTM D1525

Note: - **S -** Stand for nominal amount of slip and **A**- Stand for Prime grade.

Processing Guidelines:

Barrel temperature: 170 - 200^{0}C

Regulatory Information:

Certificate is available on request.

Packaging & Storage:

D22S010 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^{o}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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