

APL APOLLO GAS PIPE





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Polyethylene piping systems are the preferred choice for the transportation and distribution of natural gas worldwide. These pipes are utilized globally for natural gas distribution at 4 bar pressure, thanks to their exceptional technical and operational benefits.

Due to their consistent high performance and global acceptance, polyethylene (MDPE & HDPE) pipes have become the preferred choice for transporting natural gas, PNG, propane, LPG, and biogas since 1960. Their lightweight design, longevity of over 100 years, excellent corrosion resistance, and the ability to create leak-proof joints through heat fusion and mechanical fittings make PE piping systems ideal for gas conveyance.

Gas distribution was one of the first applications of medium-density polyethylene (PE) pipes, and many systems in operation today have been running successfully since 1960.

Currently, over 90% of pipes installed in the natural gas distribution industry are plastic, with 99% being polyethylene. This material is the preferred choice not only in India but worldwide. APL APOLLO PE Gas Pipes offer the safest and most cost-effective solution for piped gas distribution systems.

APL Apollo gas pipes are widely used for both domestic (City Gas Distribution systems) and industrial applications. Our MDPE/HDPE gas piping systems provide a leak-proof, homogeneous, and corrosion-resistant solution for gas conveyance. APL Apollo gas pipes are trusted by all CGD (City Gas Distribution) and CBM (Coal Bed Methane) companies across India.

SPECIFICATIONS:

Pipe Range:	20mm to 315 mm, SDR 11, 17
EF Fittings	20 to 355 mm, suitable for pressures of 7/12.5/16 kgf/cm ² .
Straight Lengths	Available in 6 m and 12 m; all sizes offered, with coils available for up to 140 mm OD.
Material Grades	PE 80 (Yellow) PE 100 (Orange) PE 80 & PE 100 (Black)

FEATURES



Printing as per IS 14885 nomenclature



Manufactured in accordance with ASTM D2513/IS 14885/ISO-4437



Resistant to slow crack growth (SCG) and rapid crack propagation (RCP)



Meets IS 7328, ASTM D3350 material grade PE80 & PE100



High performance resin for demanding applications



Industry leader in adoption of rework-free (7/2012)

APPLICATIONS



Natural Gas/ Vaporized
LPG Conveyance
and Distribution



Industrial Gases
Distribution



Landfill & Leachate
Gas Extraction
and Conveyance



Bio Gas and
Propane

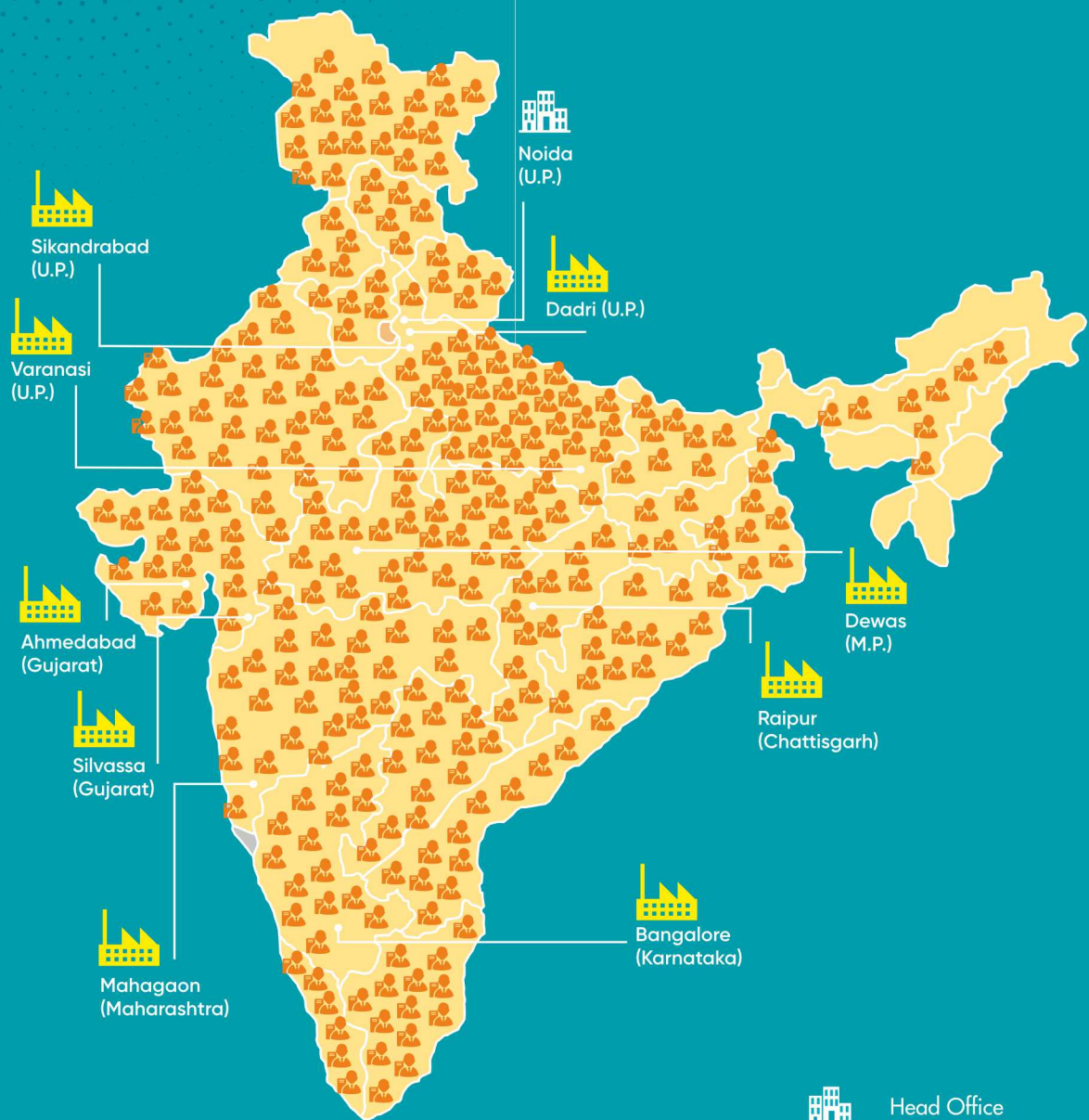
PHYSICAL PROPERTIES

Property	ASTM Test Method
Density, natural	IS 7328
Density, black	IS 7328
Melt index (190°C/5.0 kg)	IS 2530
Flow rate (190°C/5.0 kg)	IS 2530
Tensile strength @ yield	IS 4984
Ultimate elongation	IS 4984
Resistance to rapid crack Propagation, full scale PC @ 0°C	ISO 13478
Resistance to rapid crack Propagation, S-4 PC @ 0°C	ISO 13477

Property	ASTM Test Method
Resistance to rapid crack Propagation, S-4 TC @ 10 bar	ISO 13477
Resistance to slow crack Growth rate	IS 4984
Thermal stability (OIT)	IS 4984
Volatile content	IS 4984
Water content	IS 4984
Resistance to gas condensate	IS 4984
Resistance to weathering	IS 14885

*Nominal values are intended to be guides only, and not as specification limit. Specic values may vary based upon resin compound.

*Some of the data listed above was determined from compression molded test specimens; therefore may deviate from pipe specimens.



Head Office



Manufacturing Unit



Distributors



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