



INKULU
PLASTIC PIPES PTY LTD

DARE TO COMMIT

Company Profile

AIMS TO PERFORM EXCEEDINGLY
BETTER THEN EXPECTED

Introduction



Welcome to Inkulu Plastics

Inkulu Plastic Pipes provide quality HDPE pipe ranging from 16mm to 630mm, with the aim to produce 1200mm in the near future, from pressure nominal PN4 up to PN25. Our current manufacturing pipe range is from 16 mm to 630 mm. SANS - ISO4427/ISO4437 with well over 900ton Capacity per month. Inkulu now offers you the opportunity for custom longer length pipe, up to 20m in straight length as well as coil dimensions to your design requirements. Contact us for further details

The company has expanded its production facilities by investing in a modern pipe granulator that enables us to have total control of all first generation HDPE material produced in-house, thus we can successfully state only VIRGIN HDPE pipe grade material passes through all its extruders.

Initially the business focused on manufacture High Density polyethylene (HDPE) pipe, but over the years it has become clear that there is a definite demand for Polypropylen plumbing hot water pipes as well as telecommunication optic fibre HDPE ducting. Inkulu Plastics can proudly announce the production of these products.

Inkulu Plastic pipes are also suppliers/manufactures of HDPE fabricated fittings as well as molded HDPE butt welding and electrofusion fittings.

What we Stand for

Inkulu Plastics motto of "DARE TO COMMIT" encompasses, the way an organisation accepts all challenges and aims to perform exceedingly better than expected, to climb to greater heights and at the same time not forgetting ground realities.



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About Us



Founded in 2014 INKULU PLASTIC PIPES set out to be the leading HDPE pipe manufacturing firm. The company is a member of the South African Plastic Pipe Manufacturing Association (SAPPMA). The company was established by Gabriel Reddy, with well over 30 years' experience in the HDPE Piping industry. Since start up in 2014 Inkulu plastics has a well proven record for supplying quality pipes on time and are focused on establishing and building partnerships with our customers, delivering on time, reliability and Quality.

Inkulu Plastics has become the leading supplier of small, medium and large bore HDPE Pipes in South Africa, Botswana and Zambia. We have expanded rapidly because of our policy of using only the best VIRGIN raw material available and focusing on producing high quality products. We are able to print names/logos for companies on promotional piping projects and this is a great way to brand the product for your company.

We can now also transport 20m length straight pipe.



Our Values

Quality – We are certified member of IFFPA and SAPPMA and Certifications in ISO 9001:2015 and SANS 4427-2.

Prompt Delivery – Inkulu Plastics put customer needs and expectations first, all customer are important, big or small.

Support – We provide our customers with professional services and advise.

Experience – All our staff are highly trained and have collectively 134 year experience.

Mission

- Provide high-quality, affordable piping/fittings solutions,
- Create and cultivate long-term relationships with clients,
- Respond immediately to changing needs of our clients,
- Achieve complete customer satisfaction

Vision

- Our vision is to generate consistent and sustainable service/quality. To achieve this objective, we continue to practice the values that stand at the core of our professional philosophy.



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Our Laboratory



1. MELT FLOW INDEXER (MFI) TEST

Determines the melt strength of raw material to be used to manufacture pipe. MFI indirectly measures the viscosity of the material. Ref ISO 1133

- * The test is done upon receiving of raw material sent with the COA, first to verify if the suppliers test correspond with the test result on the COA sent. SANS 4427-1
- * Once again when pipe is manufactured, it goes for MFI tests to measure the value on the pipe relative to the value on the measured compound



Once the pipe is manufactured, it undergoes the Mechanical and physical characteristics conforming to the requirements. Ref. SANS 4427-2



2. LONGITUDINAL REVERSION

Determines the expansion and contraction due to temperature change depends on the start and final temperature.

- * A pipe of specified length is subjected to specified constant temperature in an oven or a liquid bath for a specific time. Ref SANS 2505
- * The reversion is calculated as a Percentage of the change in length to initial length.

3. OXIDATION INDUCTION TIME (OIT)

OIT is a sensitive measure of the level of anti-oxidative additives within the polymer
Determines of oxidation induction time and oxidation induction temperature of polymeric materials by means of Differential Scanning Calorimetry (DSC) Ref ISO 11357



SAPPMA



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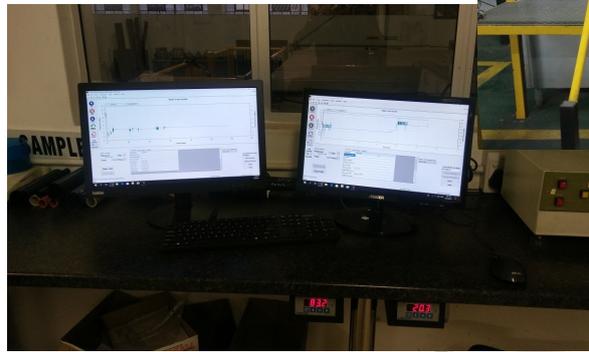
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Our Laboratory



4. TENSILE PROPERTIES

Determine the modulus of elasticity, elastic limit, elongation, proportional limit, reduction in area, tensile strength, yield point, yield strength.



5. HYDROSTATIC PRESSURE TESTS

The resistance to internal pressure testing is the most important test of thermoplastic pipes to constant internal water pressure at constant temperature. ... The test duration is subject to the tension generated by the internal pressure and the temperature.

We also have Hydrostatic Computerised systems



6. CARBON BLACK DISPERSION

Determine the presence of carbon black dispersion content which is added to the product during the process of production and it is widely used in the laboratories of plastic industries



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Products



As one of the leading plastic piping manufacturers in South Africa, Inkulu Plastics are proud that our products conform to the highest standards and quality, with pipes and fittings being manufactured in an ISO9001:2008 accredited factory under rigorous process controls to ensure that each product meets strict customer and quality requirements.



Inkulu plastics pipe offers come in 3 different materials namely:

- HDPE (High Density Polyethylene) Pipes,
- LDPE (Low Density Polyethylene) Pipes,
- PP (Polypropylene) Pipes,

HDPE Pipe

HDPE Pipe is a tough pipe, because of the good chemical and abrasion resistant properties. HDPE is quickly becoming the preferred material for the mining industry, including slurry applications as well as for water reticulation, and sewer and stormwater systems.

HDPE Pipe systems are manufactured to, and carry the SABS mark of trusted quality for SANS ISO 4427 and are available in the below:

- Coiled HDPE Pipes 16 to 110mm,
- Lengths HDPE Pipes 125 to 630mm,
- Perforated HDPE Pipes 63 to 630mm,

Over the past few years it has become clear that there was a definite demand for Polyethylene plumbing hot water pipes as well, and telecommunication optic fibre HDPE Pipes and Inkulu Plastics can proudly announce the production of these products.



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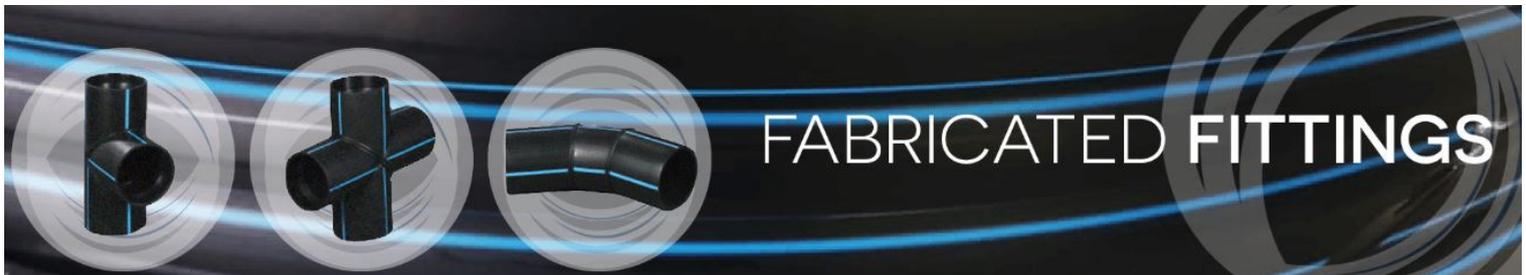
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Products



Inkulu Plastic Pipes manufactures GAS high density polyethylene pipe. The colour of the finished product is orange as per the international colour codes for pipes and fittings supplying GAS.

As Inkulu Plastic Pipes is SANS ISO 9001:2015 accredited, all relevant quality control documentation is recorded and available for inspection. We therefore adhere to the most stringent quality control processes and only use virgin material in the production process.



Inkulu Plastics responded to our clients' needs and have invested in fabricated fittings equipment, which will allow for the manufacturing/fabrication of a wide range of bends, tees, stubs & flange, and reducers. Our manufacturing/fabrication range is up to 560mm.

As part of our turnkey HDPE solution we have met the need for more complex and cost efficient pipeline designs by means of HDPE fabricated fittings to solve installation situations where common fittings fail.



At Inkulu Plastic Pipes we recognise that a pipe system is only as good as its weakest link, the joint. The jointing process used in a pipeline construction is critical to the sustainability of the system. Inkulu pipes are stockiest of cutting edge Welding equipment used for a variety of jointing methods.



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What our Clients Say



Shujaat Ali Khan - Trenchless Technologies

Inkulu Plastic Pipes have assisted us on a fair amount of projects namely Bruma- Sewer Upgrade, Noordwyk - Water Pipe Replacement, Rosebank - Water Pipes upgrade, Heilderkruin - Sewer Upgrade, Roodekraans - Sewer Upgrade and Harmony Gold - Sewer Pipe Refurbishment. They have supplied us with HDPE Pipes Raging from 160mm Dia to 315mm Dia for these verious projects and our overall experience with Inkulu Plastic Pipes has been Efficient with good service delivery.



Reon Van Der Merwe - Group Five

Inkulu Plastics have supplied us with HDPE pipe materials and fittings where urgency was a priority in order to meet shutdown deadlines. They also jumped into action when transport was needed for these materials from Durban to the Group Five Dispatch yard.

Considering the market and cashflow constraints Inkulu Plastics have been very supportive during these harsh economic times. They are definitely a company that strives to go an extra mile in service delivery.



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Contact Us



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