Borouge is providing innovative, value creating plastic solutions. A joint venture between the Abu Dhabi National Oil Company (ADNOC), one of the world’s major oil and gas companies, and Austria based Borealis, a leading provider of chemical and innovative plastic solutions, Borouge is a ground-breaking international partnership at the forefront of the next generation of plastics innovation.

Borouge has its headquarters in the United Arab Emirates and Singapore, employs approximately 1,800 people representing more than 40 nationalities and serves customers in more than 50 countries across the Middle East, Asia-Pacific, Indian sub-continent and Africa. Building on Borealis’ unique Borstar® technology and experience in polyolefins for more than 50 years, Borouge provides innovative, value creating plastic solutions for the infrastructure (pipe systems), power and communication cables, automotive and intermediate markets.

In 2010 Borouge tripled its annual production capacity in Abu Dhabi to 2 million tonnes and an additional 2.5 million tonnes per year will be introduced by mid-2014 to create the world’s largest integrated polyethylene plant. Borouge is also investing in years and technology hubs in Asia and an Innovation Centre in Abu Dhabi. Today Borouge and Borealis have a manufacturing capacity of over 5.4 million tonnes of polyethylene and polypropylene annually. Focused on Value Creation through Innovation they ensure that their customers throughout the value chain, around the world, can always rely on superior products and security of supply.

Borouge is committed to the principles of Responsible Care® and together with Borealis proactively contributes towards addressing the world’s water and sanitation challenges through their Water for Life® initiative.

Visit www.borouge.com and see how we are Shaping the Future with Plastics. 

Materials for sewage applications

**PE Grades**

**BorECO BA415E**

This PE 100 pipe compound is designed specifically for the production of twin wall sewage and drainage pipes. Due to its higher stiffness it provides low installation damage and due to installation damage. Ideal for the outer layer of a multi-layer pipe installed using directional drilling or pipe bursting techniques.

**BorECO BA4100-RI**

This PE 100 compound has exceptional resistance to stress cracking making the pipe less vulnerable to failure during processing. The higher flow enables a lower melt temperature due to installation damage. Ideal for the outer layer of a multi-layer pipe installed using directional drilling or pipe bursting techniques.

**BorSafe HE3490-IM**

This is a PE100 pipe material specifically designed for the production of non-pressure sewage and drainage pipes. Due to installation damage. Ideal for the outer layer of a multi-layer pipe installed using directional drilling or pipe bursting techniques.

**BorSafe HE3490-LS-H**

This is a high modulus PP-HM material specifically designed for the production of twin wall sewage and drainage pipes. Due to installation damage. Ideal for the outer layer of a multi-layer pipe installed using directional drilling or pipe bursting techniques.

Some useful web sites, readings and references:

Borouge

www.borouge.com

Borealis

www.borealisgroup.com

Krah Plastic Pipe Systems

www.krah.net

Processing PP-HM Materials

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Installing a 2600mm PP-B Bauku sewerage system in Schwarzenberg, Germany.

Specially connected 2900mm manhole with tangential shaft.