HIGH DENSITY-PP
LOW NOISE
DRAINAGE SYSTEM

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The Complete Low Noise System
<10dB@21ps

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ASTRAL PIPES
Astral Silencio low noise system is an innovative product made of three layer mineral-reinforced polypropylene. This base material provides excellent mechanical and acoustic properties to Astral Silencio. Made with a high molecular structure, Astral Silencio enables absorption of airborne sound and structure borne sound hence limiting the sound energy to spread over the pipe walls.

SOUND INSULATION BASICS IN PIPES
The unique low-noise Astral Silencio system is a top quality product made of mineral-reinforced polypropylene. This base material provides low noise with excellent mechanical and acoustic properties. Thus it has those ideal requirements to be used in a pioneering way in any area of building construction (including houses, blocks of flats, industrial buildings, hospitals and hotels).

SOUND DEVELOPMENT IN THE WASTE WATER PIPE
Impact and flow noises are responsible for airborne and structure-borne sounds developing at piping walls. Air borne sound develops due to the impacting of waste water, which can reach relatively high speeds, induces noise at many points such as bends, pipe branches and collecting pipes. The biggest problem with building’s plumbing drainage is with the transfer of structure-borne sound at the point of pipe fixing and where the pipes are installed in walls and ceilings.

APPLICATIONS
Hospitals, Hotels, Office Buildings, Residential Projects, Educational Institutes, Shopping Malls etc...

FEATURES
- Noise Insulating Properties
- Resistance to hot water
- Chemical resistance
- Impact resistance
- Easy Installation
- Smooth Inner Surface
- Door Type Fittings
- Push-fit Socket with Special Ring
- External Ribs on Fittings
- Depth Gauge on Fittings
- Swept Angle on Fittings

PRODUCT RANGE
Silencio socketed pipes are available in DN 4.0 (40), 5.0 (50), 6.3 (63), 7.5 (75), 11.0 (110), 12.5 (125), 16.0 (160) and DN 20.0 (200) cm (mm) sizes with wide choice of fittings and accessories.

TECHNICAL DATA
Astral Silencio is a complete low noise, system made of mineral-reinforced polypropylene as per DIN EN 12056 and DIN1986-100 having high molecular density of 1.9 gm/cm3. It is having high resistance to hot water and chemicals.

Color - Light Grey

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<tr>
<th>Property</th>
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<th>Value</th>
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<tr>
<td>Density</td>
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<td>Elongation@ Break</td>
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<td>Tensile Strength</td>
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<td>4.0</td>
<td>4.5</td>
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