

PACIFIC

A Group Company of  
**Doshion**<sup>®</sup>  
Translating Source Into Resource



List of applicable performance standards for GRP pipes.

The most common performance standards for GRP pipes are listed below.

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## BIS Indian Standards

- |          |   |
|----------|---|
| IS 12709 | Glass Fibre Reinforced Plastics (GRP) Pipes, Joints and Fittings for use for Potable Water Supply - Specification                             |
| IS 14402 | Glass Fibre Reinforced Plastics (GRP) Pipes, Joints, and Fittings for use for Sewerage, Industrial Water (other than Potable) - Specification |

## ASTM

- |            |                               |
|------------|-------------------------------|
| ASTM D3262 | Fiberglass Gravity Sewer Pipe |
| ASTM D3517 | Fiberglass Pressure Pipe      |
| ASTM D3754 | Fiberglass Pressure Sewer     |

## AWWA

- |              |                               |
|--------------|-------------------------------|
| AWWA C950-07 | Fiberglass Pressure Pipe      |
| AWWA M-45    | Fiberglass Pipe Design Manual |

## ISO

- |           |   |
|-----------|---|
| ISO 10467 | Plastic piping system for pressure and non-pressure drainage and sewerage |
| ISO 10639 | Plastic piping system for pressure and non-pressure water supply          |

## German Standards

- |           |  |
|-----------|--|
| DIN 16868 | Glass fiber reinforced polyester resin pipes |
|-----------|--|

## British Standards

- |         |   |
|---------|---|
| BS 5480 | Pipes and fittings for water and sewage |
|---------|---|



## Pacific GRP Pipe Systems

GRP pipes have a history spanning more than 60 years and with well proven and tested standards. The most commonly used are AWWA, ASTM and ISO standards and those are also the base for the Indian BIS standards. In the early days, due to the higher cost of raw materials, GRP pipes had a disadvantage against metallic pipes but even in this situation, GRP pipes were the fastest growing pipe material in the world in market share. It was supplied at a premium price due to the benefits in corrosion resistance and long term performance. Since then the raw material cost ratio has changed to the advantage of GRP pipes over metallic pipes. Now we supply a superior product at a more competitive price than traditional pipe materials.

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