



**We make
Industrial Piping
Systems**

COOL

**GF PE100
Industrial Polyethylene**

+GF+

**GEORG FISCHER
PIPING SYSTEMS**

GF PE100 Industrial Polyethylene Piping System

APPLICATIONS

- Chilled Water
Feeds secondary cooling applications (Heat exchangers, cooling towers)
- Process Cooling Water (PCW)
Feeds cooling water directly to a working tool or process
- Bulk / Reuse Water
Transfers large quantities of water from one process to a new process (Reclaim of process fluids, transfer between settling steps, transition from city water to processed water)
- Industrial Water Treatment

INDUSTRIES

- Food Processing
- Chemical Manufacturing
- Power Generation
- Semiconductor
- MRI and X-Ray Centers
- Plating Shops
- Industrial Water Treatment
- Pharmaceutical Manufacturing
- Pulp and Paper Manufacturing
- Solar



200

Bringing 200 Years of Experience
to a New Market

With a tremendous and relentless dedication to customers, GF Piping Systems has the know-how and experience to provide the best integrated solution to the marketplace.

GF provides the only fully integrated Polyethylene piping system in the Industrial Process Water Market.



GEORG FISCHER
PIPING SYSTEMS

GF Piping Systems... the right choice for your Industrial Water Systems

How GF Piping Systems Supports the Industrial Process Water Market

Consistent with Georg Fischer tradition, the introduction of GF PE100 Industrial Polyethylene ushers in a new generation piping system designed specifically for broad based applications. The dynamic combination of specifiable pipes, fittings, valves and cutting-edge fusion technologies integrates well into the industrial process industry.

Due to its robust mechanical strength, high impact resistance (including very low temperatures) and excellent chemical resistance, GF PE100 Industrial Polyethylene is the best all around product for your industrial process application. Whether it's process cooling water, industrial water treatment, bulk water distribution or chemical processing, GF PE100 will meet the challenges of your critical applications.



PRODUCT OVERVIEW GF PE100 Industrial Polyethylene



Raw Material

- GF PE100 Polyethylene
(2" – 36") SDR11
(14" – 36") SDR17
- Fittings
(2" – 12") Molded
(14" – 36") Fabricated
- Valves
Compact Lateral (Tee) Valves
Full line of GF Valve Products

Fusion Technology

- Infrared Butt Fusion
2" through 8" Polyethylene
- Contact Butt Fusion
2" through 36" Polyethylene
- Electro-Fusion
2" through 26" Polyethylene

Competitive Advantages

- Ease of installation
- Good chemical resistance
- High impact resistance at very low temperatures
- Good abrasion resistance
- Low weight
- Excellent cost/performance ratio
- Safely and securely joined by heat fusion
- Fully integrated system from ½" through 36"



Fusion Technologies

IR Plus Infrared Technology: Controlled and Consistent Process

- Fully equipped fusion joining machine
- Pipe diameters through 8"
- Integrated remote welding unit
- Monochrome display with icon
- 12 languages



Easy Fuse



IR 63 Plus

CNC Fusion Technology

- High joining strength
- Economical
- CNC controlled repeatable and traceable fusion
- Perfect for big dimensions
- Precise joining



IR 225 Plus



GF 250 CNC



GF 500 CNC

Easy Fuse: Electrofusion Technology

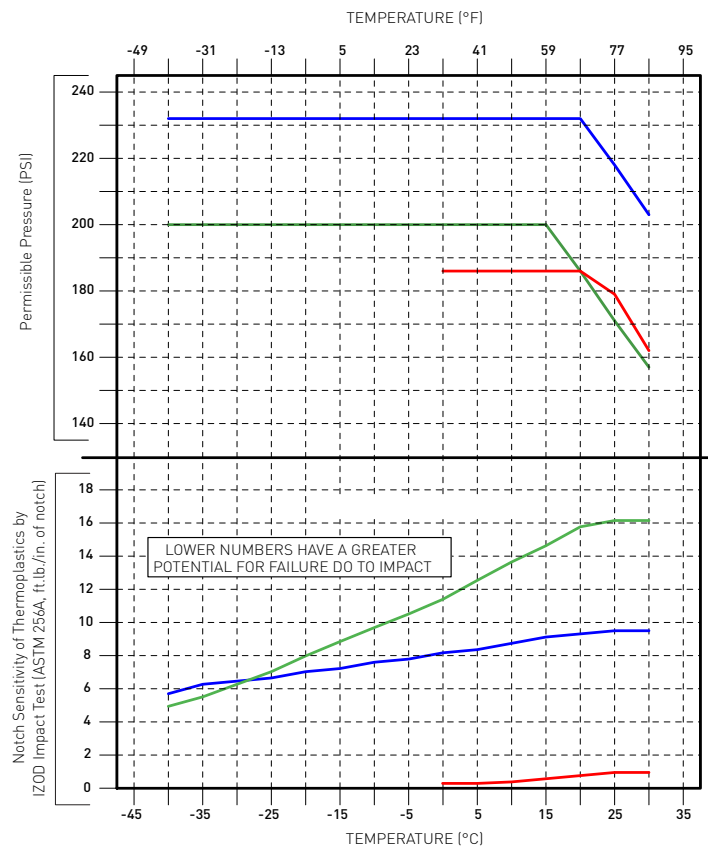
- Precision controlled power parameters
- Voltage to compensate for ambient conditions
- ID resistor, barcode or manual operating modes

Superior Physical Properties

With its abilities to absorb impact at low temperatures, PE100 Industrial Polyethylene is the best choice for your critical cooling applications.

The Impact Resistance Test, commonly known as Izod, demonstrates this capability and proves that with subsequent impact stress, polyethylene is not susceptible to surface damage.

This robust behavior combined with an acute resistance to fracture is a significant advantage over other common thermoplastic piping systems.



4" = PE100 (SDR11)
 4" = COOL-FIT ABS (SDR17) [Size is Nominal]
 4" = Sch80 PVC

GF Piping Systems → worldwide at home

Our sales companies and representatives ensure local customer support in over 100 countries.

www.piping.georgfischer.com



The technical data is not binding. They neither constitute expressly warranted characteristics nor guaranteed properties nor a guaranteed durability. They are subject to modification. Our General Terms of Sale apply.

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