



Reformer Furnace Tubes

Centralloy® G 4852 Micro R — the optimal high-alloy material for catalytic reformer tubes, engineered for extreme conditions of 450–900°C and 30–45 bar.



Centralloy® G 4852 Micro R

450–900°C

30–45 bar

Catalytic Reformer

S+C

PRODUCT OVERVIEW

Catalytic reformer tubes operate under extreme conditions: temperatures of 450–900°C and pressures of 30–45 bar in a highly reactive gas atmosphere. Centralloy® G 4852 Micro R by Schmidt + Clemens is engineered for these conditions, offering outstanding creep resistance, oxidation resistance, and long-term structural integrity.

The microalloyed Micro R variant provides enhanced carbide morphology control and improved creep strength at operating temperature. IPC supplies these tubes through its exclusive Schmidt + Clemens partnership for South America and the Caribbean.

TECHNICAL SPECIFICATIONS

Alloy	Centralloy® G 4852 Micro R
Application	Catalytic steam reformer tubes
Temperature	450 – 900°C operating range
Pressure	30 – 45 bar
Manufacturing	Centrifugally cast
Creep Resistance	Superior vs. standard HP alloys
Oxidation Resistance	Excellent at high temperature
Carbide Morphology	Enhanced (Micro R grade)
Manufacturer	Schmidt + Clemens (S+C), Germany
IPC Coverage	South America & Caribbean

KEY FEATURES

- Optimal alloy for reformer tube service
- Operating range 450–900°C / 30–45 bar
- Superior creep resistance
- Enhanced oxidation & carburization resistance
- Improved carbide morphology (Micro R)
- Long-term structural integrity
- Authorized S+C distributor: IPC

APPLICATIONS

- Catalytic steam reforming (H₂, NH₃, methanol)
- Primary reformer tubes in ammonia plants
- Hydrogen production units
- Syngas generation furnaces

MANUFACTURER / SUPPLIER

Schmidt + Clemens (S+C) — Germany
Authorized representative for South America & Caribbean: IPC Corporation

REQUEST A QUOTE

IPC CORPORATION

Pipeline · Tube · Industrial Solutions
www.ipc-corporation.com
info@ipc-corporation.com

CONTACT

USA: +1 (645) 237-7525
Colombia: +57 317 624 0319

REQUEST A QUOTE

info@ipc-corporation.com

