



Material Comparison Matrix

HEAT-FIT



HEAT-FIT: Material Comparison Matrix

	HEAT-FIT (in combination with PE)	Fiberglass	Stainless Steel
Chemical & Physical properties			
Light weight (depending on size)	++	++	---
Material flexibility	+++	---	++
Impact resistance	+++	--	+++
Corrosion resistance	+++	+++	--
Abrasion resistance	+++	+	-
Incrustation risk	+++	++	-
Lifespan	+++	++	+
Resistance to crack	+++	---	+++
Welding & Jointing characteristics			
Trackable Welding Data	+++	-	+++
Quality Control Protocol & Data Report	+++	-	+++
Employee safety	+++	-	+
Welding / Jointing onboard	+++	--	+++
Welding in condensed space	+++	---	+
Electrofusion possibility	+++	---	---
Non-destructive testing (NDT)	+++	-	+++
Installation & Maintenance savings			
Prefabrication possibilities	+++	+++	+++
Easy customizing on site	++	--	+++
No painting required	+++	+++	---
Installation time	+++	---	+

- +++ excellent performance
- ++ good performance
- + sufficient performance
- poor performance
- very poor performance
- insufficient performance

Please note: The above list is only intended as a guideline and does not replace an in-depth review of material suitability for the particular application. The information is based on our experience and is state of the art. This data consists only of general indicators. The technical data is not binding and does not constitute expressly warranted characteristics of the goods. Please contact gss@georgfischer.com for help with selecting the right materials.

Your contact

Georg Fischer Piping Systems Ltd
 Ebnatstrasse 111
 8201 Schaffhausen / Switzerland
gss@georgfischer.com
[gfps.com/heat-fit](https://www.georgfischer.com/heat-fit)

