

AGRU HV-Liner

Advantages & properties

Material properties PP-R

- Excellent impact strength and resistance against slow crack growing
- Excellent resistance against stress cracking corrosion
- Welding seams of PP-R components have a longer endurance

Material properties PVDF

- Material with highest heat resistance
- Very good chemical resistance
- Resistant against UV radiation
- High flammability class (UL94-V0)
- Outstanding mechanical and very good welding properties
- Excellent abrasion resistance (low friction coefficient)
- Summarized-high reliability in applications



AGRU produces and offers pipes and fittings as basic for dual laminate systems. The applied liner materials are PP-R and PVDF (PE100, ECTFE on request).

These liner pipes and fittings are pre-products for dual laminate systems, which combine the excellent chemical resistance of the inside liner material (PP, PVDF, ECTFE) and the good mechanical properties of the outside FRP (pressure resistance) for long term applications with highest loads.

Standard supply programme

| Liners without surface treatment Dim Ø 32 – Ø 400 mm | Liners with surface treatment (with glass fabric back) Dim Ø 32 – Ø 400 m |
|---|--|
| PP-R and PVDF pipe | PP-R and PVDF pipe * |
| PP-R and PVDF bend 90° | PP-R and PVDF bend 90° * |
| PP-R and PVDF bend 45° | PP-R and PVDF bend 45° * |
| PP-R and PVDF reduction | PP-R and PVDF reducer * |
| PP-R and PVDF Tee | PP-R and PVDF Tee * |
| PP-R and PVDF Tee reduced | PP-R and PVDF Tee reduced * |
| PP-R und PVDF sheets and welding rods | PP-R sheets * |
| PP-R and PVDF stubflanges | PP-R and PVDF stubflanges * |
| backing rings PP FRP with steel insert | |

* (with glass fabric back)

