

# IPLUS<sup>®</sup> GLASS LINER DATA SHEET

Specifications	
Diameter	DN 150mm to DN 1200mm
Wall thickness	3mm to 14mm
Liner material	Advantex / ECR glass
Impregnation	Ortho - NPG polyester
Impregnation (on request)	Vinylester
Curing	UV
Mechanical Properties	
E-Modulus – short term	13.400 N/mm <sup>2</sup>
E-Modulus – long term	9.570 N/mm <sup>2</sup>
Flexural strength – short term	200 N/mm <sup>2</sup>
Flexural strength – long term	140 N/mm <sup>2</sup>
Installation (Pull-in)	
German DIBt	N° : Z-42.3-513
Certification	
pH Range	pH 4 to pH10 depending on water temperature and type of resin (polyester / vinyl ester)
Effluent temperature	Up to 75°C
Pipe condition - fully deteriorated	Yes (liner thickness defined by calculation)
Pipe condition – partially deteriorated	Yes (liner thickness defined by calculation)
Offset joints	Yes
Bends	Large radius bends / no sharp bends
Diameter changes	No
Thickness changes	Yes
Typical installation length	Up to 200 meters
Host pipe shape	Any kind
Host pipe material	Any kind
Transportation and Storage of Impregnated Liner	
UV cured liner	By normal truck
Storage temperature and lifetime	Max 25°C / 6 months max
UV cured liner + PEROXYDE	Refrigerated truck
Storage temperature and lifetime	Max 14°C / 6 weeks max



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