

DIBt-Approval-No.: Z-42.3-365
 Substrate: ECR glass according to DIN EN ISO 2078 & ASTM D 578-00 including, where relevant, the requirements of DIN EN 14020-1, DIN EN 14020-2 and DIN EN 14020-3
 Resin: ISO NPG according to DIN 18820-1, Table 1, Group 3, Type 1140 according to table 3 of DIN 16946 or superior VE resin
 Bend flexibility: 15°
 Chemical resistance according to DIN EN ISO 175: pH1 - pH12
 Abrasion layer according to Darmstadt pipe tilting test based on DIN EN 295-3: 0.26 mm (GL16)

	GL16
Dimensions	DN 150 - DN 2000
Wall thicknesses	3.0 mm - 20.0 mm
Density based on DIN EN ISO 1183-2	1.64 g/cm ³ ± 0.2 g/cm ³
Glass content based on DIN EN ISO 1172	55 % ± 5 % (mass related)
Weight per unit area of glass per mm wall thickness	890 g/m ² ± 15 %
Remaining styrene value	≤ 4 mass-%
24 h - tendency to creep according to DIN EN ISO 899-2	≤ 10 %
e-module	
Short-term e-module according to DIN EN 1228	≥ 15,600 N/mm ²
Long-term e-module	13,000 N/mm ²
Flexural strength	
Flexural strength according to DIN EN ISO 11296-4 / DIN EN ISO 178	≥ 245 N/mm ²
Long-term flexural strength	204 N/mm ²
Reduction factor A according to DIN EN 761	1.20
Variants	UP