

Technical datasheet for:



ES transparent permanent

General data

Item	End plug transparent permanent
Description	The transparent permanent end plugs ES are used for closing speedpipe against gas and water up to 0.5 bar. They are resistant to tensile and can easily and fastly be installed. If required they can easily be disengaged by removing the locking ring. They are applicable for direct burying.
Package unit	50 Pcs. (Ø7, Ø10); 25 Pcs. (Ø12, Ø14, Ø16, Ø20)

Technical data

Quality	Value		Unit
Material	PolyAmid PA		
Dimension	ES 7:	d = 13; L = 17	mm
	ES 10:	d = 18; L = 22	
	ES 12:	d = 21; L = 25	
	ES 14:	d = 23; L = 25	
	ES 16:	d = 25; L = 25	
	ES 20:	d = 32; L = 30	
Pressure	0.5 (permanent gas- and watertight)		bar
	15 / 30		bar / min
Burst pressure	min. 30		bar
Fire behavior of corpus (DIN EN 13501-1)	E - d2		

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Tensile strength	ES 7:	min. 200	N
	ES 10:	min. 400	
	ES 12:	min. 450	
	ES 14:	min. 500	
	ES 16:	min. 550	
	ES 20:	min. 600	
spade test (with following pressure test 0,5 bar / no ruptures or breakages are admissible)	ES 7:	min. 1000	N
	ES 10:	min. 1000	
	ES 12:	min. 1800	
	ES 14:	min. 1800	
	ES 16:	min. 1800	
	ES 20:	min. 2000	

gabocom is certified by the quality system following DIN EN ISO 9001, the environmental management system DIN EN ISO 14001 and the energy management system DIN EN 50001.

The used materials meet the REACH default (EU regulation 1907/2006) and the RoHS default (EU guidelines 2011/65).

Meet the requirements of EN 50411-2-8:2009.

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