

## Technical data

### Kebutyl-System C 30

#### Tapes

Property	Unit	Typical value Testo-Tape 1,5H Inner Tape	Typical value Kebulen-Tape PE-0,40 Outer tape	Test method
Backing thickness	mm	≥0,1	≥0,3	-
Butyl coating thickness	mm	≥1,3	-	-
Total thickness	mm	≥1,4	≥0,4	-
Elongation at break	% %	≥450 ≥450	530 600	DIN EN 12068 ASTM D 1000
Tensile strength	N/mm N/mm MPa MPa	≥4,5 ≥4,5 ≥60 ≥60	≥6,0 ≥7,0 ≥20 ≥20	DIN EN 12068 ASTM D 1000 DIN EN 12068 ASTM D 1000
Water absorption	%	< 0,05	< 0,05	DIN EN ISO62 ASTM D 570
Peel strength 23°C tape / tape @ 100 mm/min tape / tape @ 100 mm/min tape / tape @ 300 mm/min	N/mm N/mm	≥3,0 ≥3,0	≥ 0,2 ≥ 0,2 ≥0,3	DIN EN 12068 ISO 21809-3 ASTM D 1000
Ageing resistance  Alteration elongation at break after 100d, 50°C Alteration tensile strength after 100d, 50°C Alteration peel strength tape/tape after 100d, 50°C	% % %	- 3 - 3 < 2	- 2 - 4 < 2	DIN EN 12068 ISO 21809-3

Kebulin-Gesellschaft · Postfach 6180 · 45684 Herten

**System C 30**

Property	Unit	Typical value	Test method
Standard's indication	-	DIN 30672 - C - 30 EN 12068 - C - 30	-
Impact resistance	J J/mm	≥19 ≥5,2	DIN EN 12068 ISO 21809-3
Indentation resistance at 23°C pressure residual layer thickness	N/mm <sup>2</sup> mm	10 ≥0,6	DIN EN 12068 ISO 21809-3
Specific electric insulation resistance	Ω m <sup>2</sup>	> 10 <sup>12</sup>	DIN EN 12068 ISO 21809-3
Dielectric breakdown	kV/mm	≥45	ASTM D 149
Cathodic disbondment 23°C, 28 days	mm	≤6	DIN EN 12068 ISO 21809-3
Peel strength 23°C Outer tape / Inner Tape @ 100 mm/min on pipe surface @ 10 mm/min on factory coating @ 10 mm/min  Outer tape / Inner @ 300 mm/min on pipe surface @ 300 mm/min on factory coating @ 300 mm/min	N/mm N/mm N/mm  N/mm N/mm N/mm	≥2,0 ≥1,5 ≥1,5  ≥4,0 ≥10 ≥10	DIN EN 12068 DIN EN 12068 DIN EN 12068  ASTM D 1000 ASTM D 1000 ASTM D 1000
Lap shear strength 23°C on steel @ 10 mm/min on factory coating @ 10 mm/min  on factory coating @ 1,3 mm/min	N/mm <sup>2</sup> N/mm <sup>2</sup>  N/mm <sup>2</sup>	≥0,05 ≥0,05  ≥0,05	DIN EN 12068 DIN EN 12068  ASTM D 1002
Ageing resistance alteration peel str. to pipe surface 100 d, 50°C	%	< 10	DIN EN 12068 ISO 21809-3