Kebulin-Gesellschaft · Postfach 6180 · 45684 Herten

Technical data

Kebutyl-System B 30

Tapes

Property	Unit	Typical value Testo-Tape 1,5 Inner Tape	Typical value Kebulen-Tape PE-0,40 Outer tape	Typical value Kebulen-Tape PE-0,25 Outer tape	Test method
Backing thickness	mm	-	≥0,3	≥0,2	-
Butyl coating thickness	mm	≥1,4	≥0,1	≥0,1	-
Total thickness	mm	≥1,4	≥0,4	≥0,3	-
Elongation at break	% %	≥ 1000 ≥ 1000	≥500 ≥600	≥450 ≥500	DIN EN 12068 ASTM D 1000
Tensile strength	N/mm N/mm MPa MPa	- -	≥6,0 ≥20	≥3,5 ≥15	DIN EN 12068 DIN EN 12068
Water absorption	%	< 0,05	< 0,05	< 0,05	DIN EN ISO62 ASTM D 570
Peel strength at 23°C tape / tape @ 100 mm/min tape / tape @ 100 mm/min tape / tape @ 300 mm/min	 N/mm N/mm N/mm	 ≥3,0 ≥3,0	 ≥ 0,2 ≥ 0,2	 ≥ 0,2 ≥ 0,2	 DIN EN 12068 ISO 21809-3
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	 % % %	 - - < 5	 - 2 - 4 < 2	 - 2 - 4 < 2	 DIN EN 12068 ISO 21809-3

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System B 30

Property	Unit	typical value	Test method
Standard's indication	-	DIN 30672 - B - 30 EN 12068 - B - 30	-
Impact resistance	J J/mm	≥18 ≥4,7	DIN EN 12068 ISO 21809-3
Indentation resistance at 23°C pressure residual layer thickness	 N/mm² mm	 1,0 ≥0,9	DIN EN 12068 ISO 21809-3
Specific electric insulation resistance	Ω m²	> 10^{12}	DIN EN 12068 ISO 21809-3
Dielectric breakdown	kV/mm	≥45	ASTM D 149
Cathodic disbondment 23°C, 28 days	mm	≤8	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	 ≥3,0 ≥1,5 ≥1,5 ≥6,0 ≥9,0	 DIN EN 12068 DIN EN 12068 DIN EN 12068 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/mm² N/mm² N/mm²	 ≥0,05 ≥0,05 ≥0,05	 DIN EN 12068 DIN EN 12068 ASTM D 1002

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