

Brugervejledning og data på rørbærersystem fra DBK



Belastning: Rørbærersystemet er dimensioneret til at bære max. 25 kg. pr. strop, f.eks. med max. 25-30 cm grusdækning over rør (grus 11 kN/m³). Ved større indbygningssdybder anbefales overdækning udført i lettere materiale som Sundolitt el.lign.
Rørbærersystemet kan benyttes til rørhældninger på op til 60 promille.



Miljøtemperatur: Rørbærersystemet er dimensioneret til miljøtemperaturer fra -10 grader til +80 graders celcius.



Montage i terrændæk: Rørbærersystemets tryk/trækstang kan indstøbes direkte i insitu-beton, uden øvrige flanger, (terrændæk etc.) Bør indstøbes med min. 40 mm i beton, for at opnå tilstrækkelig udtræksstyrke. Tryk/trækstænger afskæres i korrekt højde over isolering inden udlægning af armeringsnet, da rørbærersystemet ikke må belastes sideværks.



Løse og faste stropper: Systemet kan fungere både som fast strop og som løs strop. Ved faste stropper (typisk ved muffe), topforsegles i „trekant“ imellem strop, stropholder og rør, med f.eks. Tec7 på patron, så stroppen ikke „glider på røret“. De løse stropper monteres imellem de faste stropper, således at rør kan bevæge sig for elasticitet i røret.
(Typisk faste stropper pr. max. 3 m, med løse stropper imellem pr. 0,5 m.)



Forbindelse til fæstning: Tryk/trækstang skrues i bund på stropholder, og tryk/trækstang kan forlænges med det lille indvendige gevind på stængerne. Dette indvendige gevind skrues helt i til det klikker på de små låsetappe - der må ikke skrues hårdt baglæns på disse, da de kun er beregnet til at holde stænger på plads under montage.

»**KLIK**«

Samling mod rør: Stroppen trækkes på rør, og stropholder klikkes på strop. Det er vigtigt at strop trykkes nedefter i stropholder, således at låsetappe klikker og er låst.



Genanvendelse: Ødelægges nogle af de ovenstående tappe på hhv. stropper og indvendigt gevind på stænger, må delen udskiftes med nyt komponent. Komponenter må ikke genanvendes hvis de har været samlet.



Montage på loft og væg: (VVS) Stropholder kan også fæstnes til loft og væg, med f.eks. en 6,3 mm betonskrue hvor der forbores med 5 mm bor. (Se datablad på skruer).



Tilpasning af længde på opstropning: Tryk/trækstang skrues herefter på stropholder i loft, og anden stropholder kan fæstnes til enden af tryk/trækstang og skrues helt i bund. (Herefter kan man i gevindet dreje stropholder op til 1 hel omgang retur for at fintilpasse højde). (Max. 5 mm).



Montage af rør i stropholder under loft: Rør monteres herefter op i nedhængt stropholder, der har naturlig anlægsflade til Ø110/Ø160 rør, og strop trækkes ud over rør, og klikkes på stropholder med et nedadgående tryk. Så er montering under loft færdig.



Montage på væg: (faldstammer) Ved montage på væg vendes stropholder, således at anlægsflade til rør (buet del), vender ud/væk fra væg. Herefter skrues stropholder fast direkte i væg, og røret kan herefter monteres på stropholder, med en strop der klemmes udover røret, og klikkes fast på stropholder. Herefter topforsegles som fast strop. Systemet må ikke bruges til horisontale ledninger på væg.



Levetiden for opstropningerne er 100+ år, og derved plastrørens levetid ud. Opstropningerne er korrosionsbestandige og syrefaste. Tryktrækstænger og stropholdere er ikke elastiske.

Præsentationsfilm



DBK

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Dansk Byggekomponent ApS udvikler og producerer prisbillige og serieproducerede produkter til indbygning i bygningskonstruktioner inden for jord, beton og kloak.

Akulon® F223-D

PA6

Low/Medium Viscosity, General purpose, Injection Molding, Food Contact Quality

Print Date: 2020-08-17

Properties	Typical Data	Unit	Test Method
Rheological properties			
	dry / cond		
Molding shrinkage (parallel)	1.1 / *	%	ISO 294-4
Molding shrinkage (normal)	1.1 / *	%	ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	3200 / 1000	MPa	ISO 527-1/-2
Nominal strain at break	20 / >50	%	ISO 527-1/-2
Yield stress	85 / 45	MPa	ISO 527-1/-2
Yield strain	4 / 25	%	ISO 527-1/-2
Flexural modulus	2600 / -	MPa	ISO 178
Flexural strength	100 / -	MPa	ISO 178
Charpy impact strength (+23°C)	N / N	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	N / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	4.5 / 35	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	2.5 / 5	kJ/m ²	ISO 179/1eA
Thermal properties			
	dry / cond		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	60 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	160 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.9 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	1 / *	E-4/°C	ISO 11359-1/-2
Burning Behav. at 1.5 mm nom. thickn.	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	IEC 60695-11-10

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DSM

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Properties	Typical Data	Unit	Test Method
Burning Behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	0.75 / *	mm	IEC 60695-11-10
Oxygen index	26 / *	%	ISO 4589-1/-2
Glow Wire Flammability Index GWFI	900 / -	°C	IEC 60695-2-12
GWFI (Thickness (1) tested)	1.5 / -	mm	IEC 60695-2-12
Glow Wire Flammability Index GWFI	875 / -	°C	IEC 60695-2-12
GWFI (Thickness (2) tested)	0.75 / -	mm	IEC 60695-2-12
Glow Wire Ignition Temperature GWIT	825 / -	°C	IEC 60695-2-13
GWIT (Thickness (1) tested)	1.5 / -	mm	IEC 60695-2-13
Glow Wire Ignition Temperature GWIT	875 / -	°C	IEC 60695-2-13
GWIT (Thickness (2) tested)	1 / -	mm	IEC 60695-2-13
Electrical properties	dry / cond		
Relative permittivity (100Hz)	3.4 / 15	-	IEC 60250
Relative permittivity (1 MHz)	3.1 / 4.7	-	IEC 60250
Dissipation factor (100 Hz)	65 / 3900	E-4	IEC 60250
Dissipation factor (1 MHz)	165 / 1300	E-4	IEC 60250
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 60093
Surface resistivity	- / 1E14	Ohm	IEC 60093
Electric strength	30 / 20	kV/mm	IEC 60243-1
Comparative tracking index	* / 600	V	IEC 60112
Other properties	dry / cond		
Water absorption	10 / *	%	Sim. to ISO 62
Humidity absorption	2.8 / *	%	Sim. to ISO 62
Density	1130 / -	kg/m ³	ISO 1183
Material specific properties	dry / cond		
Viscosity number	132 / *	cm ³ /g	ISO 307, 1157, 1628

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Akulon® K224-G6

PA6-GF30

30% Glass Reinforced

Print Date: 2019-04-11

Properties	Typical Data	Unit	Test Method
Rheological properties			
	dry / cond		
Molding shrinkage (parallel)	0.3 / *	%	ISO 294-4
Molding shrinkage (normal)	0.9 / *	%	ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	9500 / 6000	MPa	ISO 527-1/-2
Stress at break	180 / 110	MPa	ISO 527-1/-2
Strain at break	3.5 / 7	%	ISO 527-1/-2
Flexural modulus	8600 / -	MPa	ISO 178
Flexural strength	235 / -	MPa	ISO 178
Charpy impact strength (+23°C)	90 / 110	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	75 / 75	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	12 / 25	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	11 / 11	kJ/m ²	ISO 179/1eA
Thermal properties			
	dry / cond		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	207 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	220 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.2 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.7 / *	E-4/°C	ISO 11359-1/-2
Burning Beh. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	IEC 60695-11-10
Burning Beh. at thickness h	HB / *	class	IEC 60695-11-10

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Properties	Typical Data	Unit	Test Method
Thickness tested	0.75 / *	mm	IEC 60695-11-10
Glow Wire Flammability Index GWFI	700 / -	°C	IEC 60695-2-12
GWFI (Thickness (1) tested)	2 / -	mm	IEC 60695-2-12
Glow Wire Flammability Index GWFI	700 / -	°C	IEC 60695-2-12
GWFI (Thickness (2) tested)	1.5 / -	mm	IEC 60695-2-12
Glow Wire Ignition Temperature GWIT	725 / -	°C	IEC 60695-2-13
GWIT (Thickness (1) tested)	2 / -	mm	IEC 60695-2-13
Glow Wire Ignition Temperature GWIT	725 / -	°C	IEC 60695-2-13
GWIT (Thickness (2) tested)	1.5 / -	mm	IEC 60695-2-13

Electrical properties

dry / cond

Relative permittivity (100Hz)	3.5 / 20	-	IEC 60250
Relative permittivity (1 MHz)	3.3 / 5	-	IEC 60250
Dissipation factor (100 Hz)	50 / 3000	E-4	IEC 60250
Dissipation factor (1 MHz)	150 / 1200	E-4	IEC 60250
Volume resistivity	1E13 / 1E11	Ohm*m	IEC 60093
Surface resistivity	* / 1E14	Ohm	IEC 60093
Electric strength	30 / 25	kV/mm	IEC 60243-1
Comparative tracking index	* / 600	V	IEC 60112

Other properties

dry / cond

Water absorption	6.3 / *	%	Sim. to ISO 62
Humidity absorption	1.9 / *	%	Sim. to ISO 62
Density	1350 / -	kg/m ³	ISO 1183

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