

PLIO DO oval grommets
in flexible PVC 9542
 (for technical properties see page D100)



PLIO
colours grey or black
- 30 to + 70°C

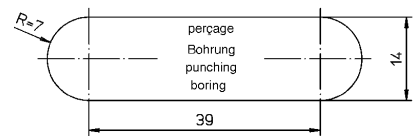
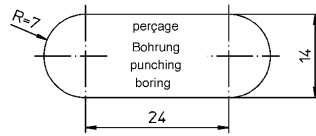
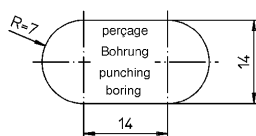
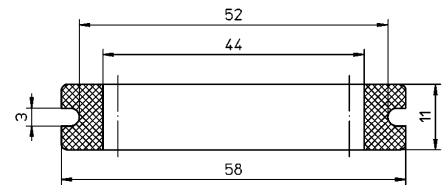
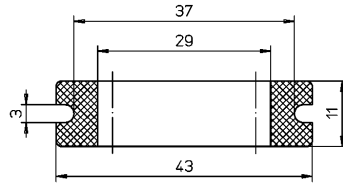
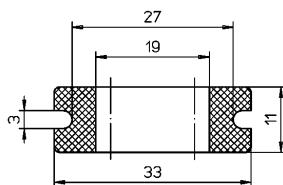
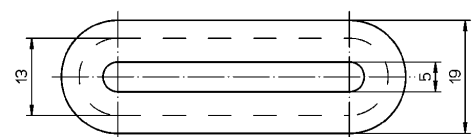
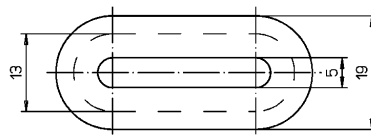
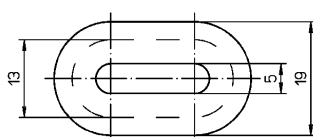
Series DO for flat wire protection

colour grey

colour black

type	article number	pack	type	article number	pack
DO 19/27/33/3 PVC grey	0135 0001 013	100	DO 19/27/33/3 PVC black	0135 0001 010	100
DO 29/37/43/3 PVC grey	0135 0002 013	100	DO 29/37/43/3 PVC black	0135 0002 010	100
DO 44/52/58/3 PVC grey	0135 0003 013	100	DO 44/52/58/3 PVC black	0135 0003 010	100

If no colour is mentioned on the order, DO grommets will be supplied in grey



DO 19/27/33/3

DO 29/37/43/3

DO 44/52/58/3

0135 0001 013
 0135 0001 010

0135 0002 013
 0135 0002 010

0135 0003 013
 0135 0003 010





		Pages du catalogue Katalogseite Catalogue pages Página's in de catalogus Páginas del catalogo	Densité / Dichtheid Density / Dichtheid Densidad	Dureté / Härte / Hardness Hardheid / Dureza	Retrait longitudinal / Langsschrumpung longitudinal shrink / Krimp in de lengte contracción longitudinal	Point de fusion / Schmelzpunkt Melting point / Smeltpunt Punto de fusión	Température d'utilisation Einsatztemperatur Operating temp. range Gebruikstemperatuur temp. de utilización	Temp. de retrait / Schrumpf temperatuur / Krimp temperatuur / temp. contracción	Résistance à la rupture / Rupture strength at break / Scher vastheid Resist. a la rotura	Allongement à la rupture Reissdehnung / Ultimate elongation Max. rek voor breuk Estramiento rotura	Resist. a base temp. Kaltbeständigkeit Low temp. resistance Lage temp.-bestendigheid Res. a bajas temp.
			g/cm ³	Sh A	%	°C	°C	°C	MPa	%	°C
HELAVIA	Qual. 3490	A1/1 A2/1		40 ±5			≤ +90		> 8	> 600	-30
SILAVIA	Qual. 2412	A1/3 A2/2		40 ±5			≤ +200		> 7	> 600	-80
PLIO-SUPER	Qual. 9923	A3/1 A3/2	1,30	90 ±5			≤ +90		24	300	≥ -20
PLIO-HT	Qual. 9861	A3/5-6	1,30	80 ±5			+105 continuous		20	300	-40 (norm ASTM)
PLIO-BT	Qual. 9863	A3/5-6	1,22	75 ±5			≤ +70		> 15	400	-50 chocs
PLIO tube	Qual. 9832	A3/7	1,23	85 ±5			≤ +60		> 22,5	350	-20
PLIO INDUS	Qual. 9836-10	A3/8	1,43	85 ±5			-30 to +85		15	250	
PLIO-R & R-VJ	Qual. 9901	A4/1	1,3	97 ±5	20 to 30		-20 to +90	+120	20	250	
PLIOFINE	SAM	A4/4			≤ 15			+90/100	> 12	> 200	
	B	A4/7	≤ 1,0		≤ -10			115	20	≥ 200	
	B-EX	A4/9	≤ 1,35		≤ -5			+90	15	≥ 300	
	BX-VJ	A4/11	≤ 1,35					≤ -10%	12,7		
	AD-UL3	A4/12	≤ 1,35		≤ +5-10				12	≥ 300	
PLIOSPIRE	Qual. PVC 9921	A5	1,30			+100	-15 to +80		25	300	
	Qual. PTFE		2,20			+325	-200 to +260		20	300	
	Qual. PA 6 BK (010)		1,08			+215	-40 to +120		35	240	
	Qual. PP BK (010)		0,92			+160	-40 to +90		30	500	
	Qual. PE NL (018)		0,90			+112	-50 to +85		12	550	
	Qual. PE BK (010)		0,95			+112	-50 to +85		12	550	
Qual. PE WH (001)	0,97			+112	-50 to +75		12	400			
PLIOSIL	PET	A6/1	1,38			260	-50 to +130			28	
	PA 6.6	A6/2	1,14			258	-55 to +135			25	
ELECTROFLEX	normal BK (010) calor BU (002) oil GH (003)	A7/1					-20 to +60 -10 to +90 -20 to +60		2 to 7,5 2 to 7,5 11,8	85 to 100 85 to 100 285	
POLYFLEX	PA 6	A7/3					-40 to +120		40-70		
HELAVIA	Polychloropren Nitrile EPDM	A20		40 to 60 60 ±5 50 to 80			-30 to +90 -25 to -100 -25 to +100		> 6 > 12 > 8	> 500 > 500 >200	- 30 - 25 - 25
PLIOPRENE	TPE TPE extra flexible	A21	1,0 0,9	60 ±5 40-45			-50 to +125 -40 to +70		> 4,5 8	> 300 600	
PLIO	PVC 9542	A22/1.5	1,2	60 ±5			≤ +70		10	> 350	-30
	PVC 9641	A22/10&11		70 ±5			≤ +75		13	350	-25
DM	PA 6	A22/20	1,13				+70 continuous +120 peak		50	45	-20
PLIO Pliocap	PE	A22/6	0,92				-50 to +85		11	> 200	
PLIO Caps	PP	A22/6	0,90				-40 to +85		28	12	
	PVC	A22/30	1,20				-25 to +75		13	350	
	PE	A22/30	0,92				-50 to +85		11	> 200	
	PA6/6	A22/30	1,14				-40 to +110		65	300	
	PA6	A22/30	1,13				-20 to +70		50	> 50	
	PP	A22/30	0,90				-25 to +90		26	8	
PLIOBORD	PE standard	A23/1	0,92				-50 to +85		> 12	> 550	-50
	PE non flammable	A23/1	0,97				-50 to +75		> 10	> 600	
A 720	A 720	A23/2-3					+105 continuous	+130			-55
SI-303	Silicone	A23/2-3	1,17				-70 to +250			> 400	
PLIOPLAST	PLIOPLAST 15	A23/4							> 2,8	> 150	
	PLIOPLAST 18		> 3,5	> 250							
	PLIOPLAST 25		> 5,4	> 175							



		Pages du catalogue Katalogseite Catalogue pages Páginas in de catalogus Páginas del catálogo	Resistivité transversale Durchgangswiderstand Volume resistivity Dwarsweerstand Resistividad transversal	Constante diélectrique Dielektrischer Faktor Dielectric constant Dielectrische constante Constante dieléctrica	Régidité diélectrique Durchschlagfestigkeit Dielectric strenght Dielectrische constante Regidez dieléctrica	Tenue à la flamme Brandverhalten Flame resistance Brandbestandigheid Comport. ante llama	Corrosivité / Korrosion Corrosion / Corrosiegedrag Corrosividad	Absorption d'eau / Wasseraufnahme Water Absorption / Vochtabsorptie Absorción de agua	Indice d'oxygene / Sauerstoffindex Limiting oxygen index (LOI) Zuurstoffindex / Índice de oxígeno
			Ohm x cm		kV/mm			%	%
HELAVIA	Qual. 3490	A1/1 A2/1	4 x 10 ⁹		> 13	UL 94-V0/M3			28
SILAVIA	Qual. 2412	A1/3 A2/2	10 ¹⁵		18				
PLIO-SUPER	Qual. 9923	A3/1 A3/2	to 20°C : 3x10 ¹²		20	UL94-V2			
PLIO-HT	Qual. 9861	A3/5-6			> 20	UL94-V0			
PLIO-BT	Qual. 9863	A3/5-6							
PLIO Tube	Qual. 9832	A3/7	to 20°C : 1x10 ¹³		> 20				
PLIO INDUS.	Qual. 9836-10	A3/8							
PLIO-R & R-VJ	Qual. 9901	A4/1	10 ¹²		20	UL94-V0		0,2	
PLIOFINE	SAM B B-EX BX-VJ AD-UL3	A4/4 A4/7 A4/9 A4/11 A4/12	> 10 ¹⁴ 10 ¹⁵ 10 ¹⁴ 10 ¹⁴ 10 ¹⁰		> 20 25 20 20 16	VW-UL 224 self-extinguishing except transparent		≤ 0,2 ≤ 0,5 ≤ 0,5 ≤ 1,0	
PLIOSPIRE	Qual. PVC 9921 Qual. PTFE Qual. PA 6 BK (010) Qual. PP BK (010) Qual. PE NL (018) Qual. PE BK (010) Qual. PE WH (001)	A5		4 2,0 3,7 2,5 2,2 2,2 2,2	20 50 16 > 25 > 25 > 25 > 25	UL94-V0 HB UL94-V2		0 2 < 0,1 < 0,1 < 0,1 < 0,1	0,1
PLIOSIL	PET PA 6.6	A6/1 A6/2				UL94-V2			27,5 26,5
ELECTROFLEX	normal BK (010) calor BU (002) oil GH (003)	A7/1			4 4 4	UL94-V0 UL94-V0			
POLYFLEX	PA 6	A7/3	10 ¹²						
HELAVIA	Polychloropren Nitrile EPDM	A20	> 4x10 ⁸ 10 ¹⁰		> 13 12 max.				
PLIOPRENE	PLIOPRENE TPE PLIOPRENE TPE extra souple	A21	9 x 10 ¹⁴ 10 ¹⁴		35 30				
PLIO	PVC 9542 PVC 9641	A22/1.5 A22/10 & 11	10 ¹³		> 20	UL94-HB			
DM	PA 6	A22/20	10 ¹³	3,2	50	UL94-V2		2,5	
PLIO Passe-fils Pliocap	PE	A22/6	10 ¹⁶		> 16	-		< 0,1	
PLIO Capuchons	PP	A22/6	10 ¹⁶		> 20	-		< 0,1	
	PVC	A22/30	10 ¹³		> 20	-		< 0,1	
	PE	A22/30	10 ¹⁶		> 16	-		< 0,1	
	PA6/6	A22/30	10 ¹⁴		26	UL94-V2		2,5	
	PA6	A22/30	10 ¹²		60	UL94-V2		-	
	PP	A22/30	> 10 ¹⁷		50	-		< 0,1	
PLIOBORD	PE standard PE non inflammable	A23/1	10 ¹⁷ 10 ¹⁷	2,2 2,2	60 60	- UL94-V2		< 0,1 < 0,1	
A 720	A 720	A23/2-3			30		Nulle T° lim. util.		
SI-303	Silicone	A23/2-3	10 ¹⁵	2,9	16				
PLIOPLAST	PLIOPLAST 15 PLIOPLAST 18 PLIOPLAST 25	A23/4				self-extinguishing	1 1 1		