

Astore Keymak

a member of the **Hudaco** group

“Driven by quality; Delivered by experience!”



CATALOGUE

AGRU PVDF

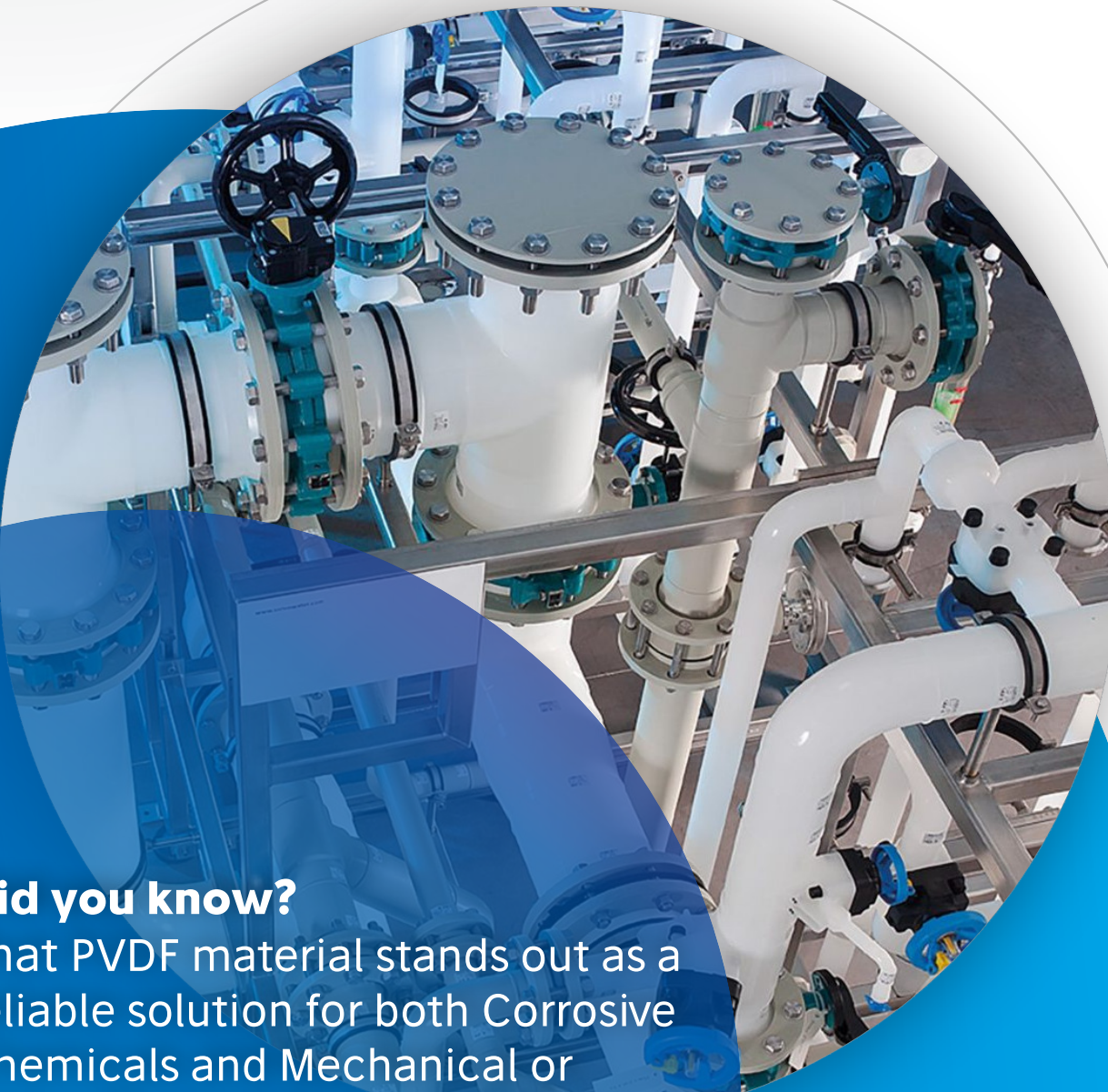


AGRU PVDF

POLYVINYLIDENE FLUORIDE



AGRU PVDF **PRODUCTS**



Did you know?

That PVDF material stands out as a reliable solution for both Corrosive Chemicals and Mechanical or heavy Physical Applications!

(PVDF) POLYVINYLIDENE FLUORIDE

PVDF is an extremely pure polymer which, compares to many other plastics, does not contain any stabilizers, UV thermostabilizers, plasticizers, lubricants or flame retarding additives. It's particularly suitable for conveying highly aggressive media such as Hydrochloric acid or Sulphuric acid. The temperature range of PVDF is 20 to 120 deg C.



Astore Keymak offer the full comprehensive range of thermoplastics that makes customers from all over sub-Saharan Africa successful in a wide range of industries. As a reliable experienced supplier of quality products, we offer everything from injection moulded fittings and extruded pipe as well as semi-finished products from a single internationally recognized supplier.

Supply Range

Full Pressure rated injection moulded fittings, in the following sizes: Dia 20 to 280mm PN10 and PN16 for Butt-Weld and IR Welding.

Pipes in PVDF IN Dia 20-400mm

Electrofusion fittings in Dia 20-63mm Pn16

Socket Fusion in Dia 20-110mm

Double containment piping systems

Semi-finished products

Sheets in 2x1 and 3x1.5 in various thicknesses.

Concrete protective liners in various thicknesses

Solid Bar in Dia 10-340mm

Welding Rod in Dia 3 & 4mm Round and 5x3 Triangular.

Liners in Dia 20 to 400mm

PVDF-SOCKET FUSION WELDING



END CAPS
PN 20
FOR SOCKET WELDING



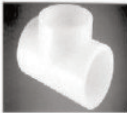
SDR 10 /PN 20/ S8	
AGRU CODE 054 d	CODE
20	PVDFCAF0020200
25	PVDFCAF0025200
32	PVDFCAF0032200
40	PVDFCAF0040200
50	PVDFCAF0050200
63	PVDFCAF0063200
75	PVDFCAF0075200
90	PVDFCAF0090200
110	PVDFCAF0110200

ELBOWS 45°
PN 20
FOR SOCKET WELDING



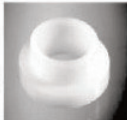
SDR 10 /PN 20/ S8	
AGRU CODE 050 d	CODE
20	PVDFGYF0020200
25	PVDFGYF0025200
32	PVDFGYF0032200
40	PVDFGYF0040200
50	PVDFGYF0050200
63	PVDFGYF0063200
75	PVDFGYF0075200
90	PVDFGYF0090200
110	PVDFGYF0110200

TEES
PN 20
FOR SOCKET WELDING



SDR 10 /PN 20/ S8	
AGRU CODE 056 d	CODE
16	PVDFTIF0016200
20	PVDFTIF0020200
25	PVDFTIF0025200
32	PVDFTIF0032200
40	PVDFTIF0040200
50	PVDFTIF0050200
63	PVDFTIF0063200
75	PVDFTIF0075200
90	PVDFTIF0090200
110	PVDFTIF0110200

FLANGE ADAPTORS
PN 20, DIN STANDARD
FOR SOCKET WELDING



SDR 10 /PN 20/ S8	
AGRU CODE 052 d	CODE
20	PVDFQRF0020200
25	PVDFQRF0025200
32	PVDFQRF0032200
40	PVDFQRF0040200
50	PVDFQRF0050200
63	PVDFQRF0063200
75	PVDFQRF0075200
90	PVDFQRF0090200
110	PVDFQRF0110200

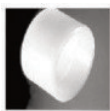
ELBOWS 90°
PN 20
FOR SOCKET WELDING



SDR 10 /PN 20/ S8	
AGRU	CODE
20	PVDFGOF0020200
25	PVDFGOF0025200
32	PVDFGOF0032200
40	PVDFGOF0040200
50	PVDFGOF0050200
63	PVDFGOF0063200
75	PVDFGOF0075200
90	PVDFGOF0090200
110	PVDFGOF0110200

HIGH PURITY AVAILABLE ON REQUEST

SOCKETS
PN 20
FOR SOCKET WELDING



SDR 10 /PN 20/ S8	
AGRU CODE 053 d	CODE
20	PVDFMAF0020200
25	PVDFMAF0025200
32	PVDFMAF0032200
40	PVDFMAF0040200
50	PVDFMAF0050200
63	PVDFMAF0063200
75	PVDFMAF0075200
90	PVDFMAF0090200
110	PVDFMAF0110200

ANSI STANDARD AVAILABLE ON REQUEST

PVDF-SOCKET FUSION WELDING



REDUCERS PN 20 FOR SOCKET WELDING	
SDR 17 / PN 20 /S8	
AGRU	
CODE 057	CODE
d	
25/20	PVDFMRF00250020200
32/20	PVDFMRF00320020200
32/25	PVDFMRF00320025200
40/20	PVDFMRF00400020200
40/25	PVDFMRF00400025200
40/32	PVDFMRF00400032200
50/20	PVDFMRF00500020200
50/25	PVDFMRF00500025200
50/32	PVDFMRF00500032200
50/40	PVDFMRF00500040200
63/25	PVDFMRF00630025200
63/32	PVDFMRF00630032200
63/40	PVDFMRF00630040200
63/50	PVDFMRF00630050200
75/63	PVDFMRF00750063200
90/63	PVDFMRF00900063200
90/75	PVDFMRF00900075200
110/63	PVDFMRF01100063200
110/90	PVDFMRF01100090200

HIGH PURITY AVAILABLE ON REQUEST

PTFE SEAL CLEAN GASKET FOR PE/PP FLANGES SDR 11 - DIN DRILLING AGRU CODE 372	
d	CODE
20	PTFEGASK0020
25	PTFEGASK0025
32	PTFEGASK0032
40	PTFEGASK0040
50	PTFEGASK0050
63	PTFEGASK0063
75	PTFEGASK0075
90	PTFEGASK0090
110	PTFEGASK0110
125	PTFEGASK0125
140	PTFEGASK0140
160	PTFEGASK0160
180	PTFEGASK0180
200	PTFEGASK0200

ADAPTORS With female thread for socket welding	
SDR 33 / PN 10 /S16	
AGRU	
CODE 034	CODE
d	R-thread
20 x ½ "	PVDFAFF00200500100
25 x ¾"	PVDFAFF00250750100
32 x 1"	PVDFAFF00321000100
40 x 1 ¼"	PVDFAFF00401250100
50 x 1 ½"	PVDFAFF00501500100
63 x 2"	PVDFAFF00632000100

UNIONS FOR SOCKET WELDING	
SDR 33 / PN 10- VITON SEALING /S16	
AGRU	
CODE 024.11	CODE
d	
20	PVDFBOF0020100V
25	PVDFBOF0025100V
32	PVDFBOF0032100V
40	PVDFBOF0040100V
50	PVDFBOF0050100V
63	PVDFBOF0063100V
75	PVDFBOF0075100V
90	PVDFBOF0090100V

ADAPTORS WITH MALE THREAD FOR SOCKET WELDING SDR 33 / PN 10 /S16	
AGRU	
CODE 035	CODE
d	R-thread
20 x ¾"	PVDFAMF00200750100
25 x 1"	PVDFAMF00251000100
32 x 1 ¼"	PVDFAMF00321250100
40 x 1 ½"	PVDFAMF00401500100
50 x 2"	PVDFAMF00502000100

PVDF-BUTT FUSION WELDING



MULTI BLEND 90° LONG SPIGOT INJECTION MOULDED		
SDR 33 / PN 10 / S 16		SDR 21/ PN 16 / S10
AGRU		
CODE 068	CODE	CODE
d		
20		PVDFCUMB0020160
25		PVDFCUMB0025160
32		PVDFCUMB0032160
40		PVDFCUMB0040160
50		PVDFCUMB0050160
63		PVDFCUMB0063160
75		PVDFCUMB0075160
90	PVDFCUMB0090100	PVDFCUMB0090160
110	PVDFCUMB0110100	PVDFCUMB0110160
140	PVDFCUMB0140100	PVDFCUMB0140160
160	PVDFCUMB0160100	PVDFCUMB0160160
225	PVDFCUMB0225100	PVDFCUMB0225160

BEND 90° Short spigot Butt IR-welding injection moulding		
SDR 33 / PN 10 / S16		SDR 21 / PN 16 / S10
AGRU		
CODE 001	CODE	CODE
d		
125	PVDFCUB0125100	PVDFCUB0125160
180	PVDFCUB0180100	PVDFCUB0180160
200	PVDFCUB0200100	PVDFCUB0200160
250	PVDFCUB0250100	PVDFCUB0250160
280	PVDFCUB0280100	PVDFCUB0280160
315	PVDFCUB0315100	

ELBOW 45° ELONGATED FOR BUTT WELDING + IR- FUSION		
SDR 33 / PN 10 / S16		SDR 21/ PN 16 / S10
AGRU		
CODE 060	CODE	CODE
d		
20		PVDFGYL0020160
25		PVDFGYL0025160
32		PVDFGYL0032160
40		PVDFGYL0040160
50		PVDFGYL0050160
63		PVDFGYL0063160
75		PVDFGYL0075160
90	PVDFGYL0090100	PVDFGYL0090160
110	PVDFGYL0110100	PVDFGYL0110160
140	PVDFGYL0140100	PVDFGYL0140160
160	PVDFGYL0160100	PVDFGYL0160160

HIGH PURITY AVAILABLE ON REQUEST

TEES FOR BUTT WELDING + IR FUSION		
SDR 33 / PN 10 / S16		SDR 21 / PN 16 / S10
AGRU		
CODE 006	CODE	CODE
d		
20		PVDFTIB0020160
25		PVDFTIB0025160
32		PVDFTIB0032160
40		PVDFTIB0040160
50		PVDFTIB0050160
63		PVDFTIB0063160
75		PVDFTIB0075160
90	PVDFTIB0090100	PVDFTIB0090160
110	PVDFTIB0110100	PVDFTIB0110160
125	PVDFTIB0125100	PVDFTIB0125160
140	PVDFTIB0140100	PVDFTIB0140160
160	PVDFTIB0160100	PVDFTIB0160160
180	PVDFTIB0180100	PVDFTIB0180160
200	PVDFTIB0200100	PVDFTIB0200160
225	PVDFTIB0225100	PVDFTIB0225160
250	PVDFTIB0250100	PVDFTIB0250160
280	PVDFTIB0280100	PVDFTIB0280160
315	PVDFTIB0315100	

TEES REDUCED, ELONGATED FOR BUTT WELDING		
SDR 33 / PN 10 / S16		SDR21 / PN 16 / S10
AGRU		
CODE 065	CODE	CODE
d		
63/20		PVDFTRL00630020160
63/25		PVDFTRL00630025160
63/32		PVDFTRL00630032160
90/63		PVDFTRL00900063160
110/63		PVDFTRL01100063160
110/90	PVDFTRL01100090100	PVDFTRL01100090160
160/63	PVDFTRL01600063100	PVDFTRL01600063160
160/90	PVDFTRL01600090100	PVDFTRL01600090160
160/110	PVDFTRL01600110100	PVDFTRL01600110160

REDUCERS CONCENTRIC, FOR BUTT WELDING + IR- FUSION		
SDR 33 / PN 10 / S16		SDR 21/ PN 16 / S10
AGRU		
CODE 060	CODE	CODE
d		
		PVDFRLB00630016160
110/63	PVDFRLB01100063100	PVDFRLB01100063160
160/110	PVDFRLB01600110100	
225/160	PVDFRLB02250160100	
315/225	PVDFRLB03150225100	

PVDF-BUTT FUSION WELDING



REDUCERS MOULDED, CONCENTRIC FOR BUTT WELDING IF- FUSION ACCORDING TO DIN STANDARD		
SDR 33 / PN 10 / S16		SDR 21/PN 16 /S10
AGRU		
CODE 060	CODE	CODE
d		
25/20		PVDFRLL00250020160
32/20		PVDFRLL00320020160
32/25		PVDFRLL00320025160
40/20		PVDFRLL00400020160
40/25		PVDFRLL00400025160
40/32		PVDFRLL00400032160
50/20		PVDFRLL00500020160
50/25		PVDFRLL00500025160
50/32		PVDFRLL00500032160
50/40		PVDFRLL00500040160
63/25		PVDFRLL00630020160
63/32		PVDFRLL00630032160
63/40		PVDFRLL00630040160
63/50		PVDFRLL00630050160
75/50		PVDFRLL00750050160
75/63		PVDFRLL00750063160
90/50		PVDFRLL00900050160
90/63		PVDFRLL00900063160
90/75		PVDFRLL00900075160
110/63		PVDFRLL01100063160
110/90	PVDFRLL01100090100	PVDFRLL01100090160
140/63		PVDFRLL01400063160
140/110	PVDFRLL01400110100	PVDFRLL01400110160
160/110*	PVDFRLL01600110100	PVDFRLL01600110160
160/140*	PVDFRLL01600140100	PVDFRLL01600140100
225/160*	PVDFRLL02250160100	PVDFRLL02250160160
250/160*	PVDFRLL02500160100	PVDFRLL02500160160
250/225*	PVDFRLL02500225100	PVDFRLL02500225160
315/160*	PVDFRLL03150160100	
315/250*	PVDFRLL03150250100	

END CAPS MOULDED WITH ELONGATED LEGS, FIR BUTT WELDING + IR FUSION		
SDR 21 / PN 16 / S10		SDR 21 / PN 16 / S10
AGRU		
CODE 064	CODE	CODE
d		
20		PVDFCAB0020160
25		PVDFCAB0025160
32		PVDFCAB0032160
40		PVDFCAB0040160
50		PVDFCAB0050160
63		PVDFCAB0063160
75		PVDFCAB0075160
90	PVDFCAB0090110	PVDFCAB0090160
110	PVDFCAB0110110	PVDFCAB0110160

* NON STOCK ITEM BUT AVAILABLE ON REQUEST

STUB FLANGES FOR BUTT WELDING IR FUSION ACCORDING TO DIN STANDARD		
SDR 33 / PN 10 / S16		SDR 21/PN 16 /S10
AGRU		
CODE 012	CODE	CODE
d		
20		PVDFQRB0020160D
25		PVDFQRB0025160D
32		PVDFQRB0032160D
40		PVDFQRB0040160D
50		PVDFQRB0050160D
63		PVDFQRB0063160D
75		PVDFQRB0075160D
90	PVDFQRB0090100D	PVDFQRB0090160D
110	PVDFQRB0110100D	PVDFQRB0110160D
125	PVDFQRB0125100D	PVDFQRB0125160D
140	PVDFQRB0140100D	PVDFQRB0140160D
160	PVDFQRB0160100D	PVDFQRB0160160D
180	PVDFQRB0180100D	PVDFQRB0180160D
200	PVDFQRB0200100D	PVDFQRB0200160D
225	PVDFQRB0225100D	PVDFQRB0225160D
250	PVDFQRB0250100D	PVDFQRB0250160D
280	PVDFQRB0280100D	PVDFQRB0280160D
315	PVDFQRB0315100D	

ADAPTORS WITH MALE THREAD, FOR BUTT WELDING +- IR FUSION	
SDR 21 /PN 10/ S10	
AGRU	
CODE 033	CODE
d	R-thread
20 x ½ "	PVDFAMB00200500100
25 x 3/4"	PVDFAMB00250750100
32 x 1"	PVDFAMB00321000100
40 x 1, 1/4"	PVDFAMB00401250100
50 x 1, 1/2"	PVDFAMB00501500100
63 x 2"	PVDFAMB00632000100

ADAPTORS WITH FEMALE THREAD, FOR BUTT WELDING +- IR FUSION	
SDR 33 / PN 10 / S16	
AGRU	
CODE 060	CODE
d	
20X1/2"	PVDFAFB00200500100
25X3/4"	PVDFAFB00250750100
32X1"	PVDFAFB00321000100
40X1 1/4"	PVDFAFB00401250100
50X1 1/2"	PVDFAFB00501500100
63X2"	PVDFAFB00632000100

HIGH PURITY AVAILABLE ON REQUEST

PVDF-PIPE & CONCRETE PROTECTIVE LINERS



PIPES PN 10, PN 16, PN 20 STANDARD LENGTH 5m PVDP-									
		SDR 33/ PN 10 / S16				SDR 21 /PN 16 /S10			
CODE 705	LINER	SIZE	WEIGHT	CODE	PN 10	SIZE	WEIGH	CODE	PN 16
d		mm	kg/m	PVDP-		mm	T kg/m	PVDP-	
20	PRICES AVAILABLE ON REQUEST					1,9	0,21	PVDP0020160	
25						1,9	0,27	PVDP0025160	
32						2,4	0,44	PVDP0032160	
40						2,4	0,55	PVDP0040160	
50						3,0	0,85	PVDP0040160	
63		2,5	0,93	PVDP0063100		3,0	1,09	PVDP0050160	
75		2,5	1,11	PVDP0075100		3,6	1,55	PVDP0063160	
90		2,8	1,48	PVDP0090100		4,3	2,22	PVDP0075160	
110		3,4	2,20	PVDP0110100		5,3	3,32	PVDP0090160	
125		3,9	2,84	PVDP0125100		6,0	4,24	PVDP0110160	
140		4,3	3,52	PVDP0140100		6,7	5,31	PVDP0140160	
160		4,9	4,54	PVDP0160100		7,7	6,96	PVDP0160160	
180		5,5	5,74	PVDP0180100		8,6	8,74	PVDP0180160	
200		6,2	7,19	PVDP0200100		9,6	10,83	PVDP0200160	
225		6,9	8,95	PVDP0225100		10,8	13,67	PVDP0225160	
250		7,7	11,09	PVDP0250100		11,9	16,73	PVDP0250160	
280		8,6	13,86	PVDP0280100		13,4	21,11	PVDP0280160	
315		9,7	17,55	PVDP0315100		15,0	26,51		
355		10,8	22,00	PVDP0355100					
400		12,2	28,03	PVDP0400100					
450		13,7	35,31	PVDP0450100					

Due to manufacturing technical minimum all thickness, the dimensions OD 16/50mm correspond with a higher pressure rate than PN 20

Fittings and pipes with Dimensions from 20 to 50 are produced according to ISO Nr. DIS 10931, wherein PN16=PN20, or SDR17S8. From dimension 63 on the wall-thickness between PN16 and PN 20 begin to differ.
Therefore from diameter 63mm onwards dimensions can differ between SDR17/S8 and SDR21/S10

NOTE : 'HIGH PURITY' PVDF PIPE AND FITTINGS ARE AVAILABLE IN THIS RANGE P.O.A.

SURE GRIP CONCRETE PROTECTIVE LINER EXTRUDED PVSG-560AGRU					
	DESIGN	FORMAT mm	THICKNESS	kg/ sheet	CODE PVSG-SHE
CODE 560	NATURAL	4000 x 2000	2,5	47,50	PVSGSHE400020000002
		4000 x 2000	4	67,90	PVSGSHE400020000004

PVDF - SHEETS/BARS/WELDING RODS & ACCESSORIES



ROUND BARS		
ACCORDING TO DIN 16980		
NATURAL		
STORAGE LENGTH 1m		
AGRU CODE 800 d	WEIGHT kg/m	CODE PVDF-BAR-
10	0,15	PVDFBAR0010
15	0,34	PVDFBAR0015
20	0,59	PVDFBAR0020
25	0,91	PVDFBAR0025
30	1,30	PVDFBAR0030
35	1,81	PVDFBAR0035
40	2,93	PVDFBAR0040
45	3,61	PVDFBAR0045
50	5,17	PVDFBAR0050
60	6,15	PVDFBAR0060
65	6,15	PVDFBAR0065
70	7,15	PVDFBAR0070
75	8,21	PVDFBAR0075
80	9,22	PVDFBAR0080
90	11,67	PVDFBAR0090
100	14,42	PVDFBAR0100
110	17,45	PVDFBAR0110
125	22,35	PVDFBAR0125
140	27,40	PVDFBAR0140
160	36,00	PVDFBAR0160
180	46,00	PVDFBAR0180
200	57,65	PVDFBAR0200
250	90,08	PVDFBAR0250
300	129,40	PVDFBAR0300
325	152,00	PVDFBAR0325
340	166,40	PVDFBAR0340

BLIND FLANGES	
PVDF, MACHINED ACCORDING TO DIN STANDARD WITHOUT STEEL INSERT	
FOR APPLICATIONS WITHOUT PRESSURE	
AGRU CODE 334 d	CODE PVDF-FCF-
20	PVDFFCF0020100
25	PVDFFCF0025100
32	PVDFFCF0032100
40	PVDFFCF0040100
50	PVDFFCF0050100
63	PVDFFCF0063100
75	PVDFFCF0075100
90	PVDFFCF0090100
110	PVDFFCF0110100
140	PVDFFCF0140100
180	PVDFFCF0180100
225	PVDFFCF0225100

WELDING ROD		
NATURAL		
CIRCULAR PROFILE		
AGRU CODE 410	kg/coil	CODE
3	2kg	PVDFWEL0003410
4	2kg	PVDFWEL0004410
5	2kg	PVDFWEL0005410

SHEETS					
EXTRUDED Natural					
PVSH - 600					
AGRU CODE 600	DESIGN	FORMAT mm	THICKNESS	kg/sheet	CODE PVDF-SHE-
	NATURAL	2000 X 1000	2	7,12	PVDFSHE200010000002
			3	10,68	PVDFSHE200010000003
			4	14,24	PVDFSHE200010000004
			5	17,80	PVDFSHE200010000005
			6	21,36	PVDFSHE200010000006
			8	28,48	PVDFSHE200010000008
			10	35,60	PVDFSHE200010000010
			12	42,80	PVDFSHE200010000012
			15	53,50	PVDFSHE200010000015
		20	71,40	PVDFSHE200010000020	
CODE 610 SHEET	Natural, one side polyester fabric laminated	2000 x 1000	PVSH - 610		
			2	7,66	PVSH610200010000002
			3	11,22	PVSH610200010000003
			4	14,78	PVSH610200010000004
				5	18,34
		3000 x 1500	3	25,38	PVSH610300015000003
			4	33,39	PVSH610300015000004
CODE 620	Natural, one side glass frabric laminated	2000 x 1000	PVSH - 620		
			2	8,08	PVSH620200010000002
			3	11,58	PVSH620200010000003
			4	15,14	PVSH200200010000004
CODE 615 in rolls laminated	Natural, one side polyester fabric		PVSH - 615		
		25000 x 1000	2	95,75	PVSH6152500010000002
		25000 x 1000	3	140,25	PVSH6152500010000003
		25000 x 1500	3	210,00	PVSH6152500010000004

HIGH PURITY AVAILABLE ON REQUEST