



Astore Keymak

a member of the **Hudaco** group

“Driven by quality; Delivered by experience!”



CATALOGUE

AGRU PP - H

POLYPROPYLENE



AGRU PP - H

AGRU POLYPROPYLENE **PRODUCTS**



Did you know?

That PP is the most versatile
Polymer in the world!

(PP-H) POLYPROPYLENE

Astore Keymak offer the full comprehensive range of thermoplastics that makes customers from all over sub Saharan Africa successful in the 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 and established supplier.

Polypropylene is a synthetic resin built up by the polymerization of propylene. One of the important family members of the Polyolefin resins, polypropylene is tough, flexible, and light weight and can Handle temperatures of -5 to 90 deg C.



Supply Range

Full Pressure rated injection moulded Fittings, in the following sizes:

- Dia 20 TO 500MM in PN6 and Pn10.
- Pipes in PE100-RC Dia 20-
- Electrofusion Couplings in Dia 20-355 Pn10
- Socket Fusions fittings 20-110mm
- Double containment piping systems

Semi-finished products

- Sheets in 2x1,3x1.5 and 4x2 in various thicknesses.
- Concrete protective liners in various thicknesses
- Solid Bar in Dia 15-640mm
- Welding Rod in Dia 3,4 and 5mm Round and 5x3 Triangular.

PP BUTT WELD FITTINGS



PP/PE MULTI BEND AGRU CODE 068				
To replace the CUB/GOL & CUL range				
PPR				
d	CODE	PN 6 SDR 17	CODE	PN 10 SDR 11
20			PPBWCUMB0020100	
25			PPBWCUMB0025100	
32			PPBWCUMB0032100	
40			PPBWCUMB0040100	
50			PPBWCUMB0050100	
63	PPBWCUMB0063060		PPBWCUMB0063100	
75	PPBWCUMB0075060		PPBWCUMB0075100	
90	PPBWCUMB0090060		PPBWCUMB0090100	
110	PPBWCUMB0110060		PPBWCUMB0110100	
125	PPBWCUMB0125060		PPBWCUMB0125100	
140	PPBWCUMB0140060		PPBWCUMB0140100	
160	PPBWCUMB0160060		PPBWCUMB0160100	
180	PPBWCUMB0180060		PPBWCUMB0180100	
200	PPBWCUMB0200060		PPBWCUMB0200100	
225	PPBWCUMB0225060		PPBWCUMB0225100	
250	PPBWCUMB0250060		PPBWCUMB0250100	
280	PPBWCUMB0280060		PPBWCUMB0280100	
315	PPBWCUMB0315060		PPBWCUMB0315100	

TEE 45° AGRU CODE 036				
Long spigot injection Moulding				
Butt + Socket welding				
d	CODE	PN 6 SDR 17	CODE	PN 10 SDR 11
32	PPBWLAT0032060		PPBWLAT0032100	
40	PPBWLAT0040060		PPBWLAT0040100	
50	PPBWLAT0050060		PPBWLAT0050100	
63	PPBWLAT0063060		PPBWLAT0063100	
75	PPBWLAT0075060		PPBWLAT0075100	
90	PPBWLAT0090060		PPBWLAT0090100	
110	PPBWLAT0110060		PPBWLAT0110100	
125	PPBWLAT0125060		PPBWLAT0125100	
140	PPBWLAT0140060		PPBWLAT0140100	
160	PPBWLAT0160060		PPBWLAT0160100	
180	PPBWLAT0180060		PPBWLAT0180100	
200	PPBWLAT0200060		PPBWLAT0200100	
225	PPBWLAT0225060		PPBWLAT0225100	

BENDS 90 - AGRU CODE 001				
SHORT RADIUS MOULDED FROM				
PPR				
d	CODE PPBW-CUB-	PN 6 SDR 17	CODE PPBW-CUB-	PN 10 SDR 11
250	PPBWCUB0250060		PPBWCUB0250100	
280	PPBWCUB0280060		PPBWCUB0280100	
315	PPBWCUB0315060		PPBWCUB0315100	
355	PPBWCUB0355060		PPBWCUB0355100	
400	PPBWCUB0400060		PPBWCUB0400100	
450	PPBWCUB0450060		PPBWCUB0450100	
500	PPBWCUB0500060		PPBWCUB0500100	

▲ SDR33 Fittings available on special request

TEES AGRU CODE 006				
REINFORCED MOULDED FROM				
PPR				
d	CODE	PN 6 SDR 17	CODE	PN 10 SDR11
20			PPBWTIB0020100	
25			PPBWTIB0025100	
32			PPBWTIB0032100	
40			PPBWTIB0040100	
50			PPBWTIB0050100	
63	PPBWTIB0063060		PPBWTIB0063100	
75	PPBWTIB0075060		PPBWTIB0075100	
90	PPBWTIB0090060		PPBWTIB0090100	
110	PPBWTIB0110060		PPBWTIB0110100	
125	PPBWTIB0125060		PPBWTIB0125100	
140	PPBWTIB0140060		PPBWTIB0140100	
160	PPBWTIB0160060		PPBWTIB0160100	
180	PPBWTIB0180060		PPBWTIB0180100	
200	PPBWTIB0200060		PPBWTIB0200100	
225	PPBWTIB0225060		PPBWTIB0225100	
250	PPBWTIB0250060		PPBWTIB0250100	
280	PPBWTIB0280060		PPBWTIB0280100	
315	PPBWTIB0315060		PPBWTIB0315100	
355	PPBWTIB0355060		PPBWTIB0355100	
400	PPBWTIB0400060		PPBWTIB0400100	
450	PPBWTIB0450060		PPBWTIB0450100	
500	PPBWTIB0500060		PPBWTIB0500100	

TEES- REDUCED- AGRU CODE 016				
Reinforced moulded from				
PPR				
d	CODE	PN 6 SDR 17	CODE	PN 10 SDR 11
90x32			PPBWTRB00900032100	
90x50			PPBWTRB00900050100	
110x32			PPBWTRB01100032100	
110x50			PPBWTRB01100050100	
125x63			PPBWTRB01250063100	
140x63	PPBWTRB01400063060		PPBWTRB01400063100	
140x75	PPBWTRB01400075060		PPBWTRB01400075100	
140x90	PPBWTRB01400090060		PPBWTRB01400090100	
140x110	PPBWTRB01400110060		PPBWTRB01400110100	
160x125	PPBWTRB01600125060		PPBWTRB01600125100	
180x63	PPBWTRB01800063060		PPBWTRB01800063100	
180x75	PPBWTRB01800075060		PPBWTRB01800075100	
180x110	PPBWTRB01800110060		PPBWTRB01800125100	
180x125	PPBWTRB01800125060		PPBWTRB02250125100	
225x125	PPBWTRB02250125060			

PP BUTT WELD FITTINGS



STUB FLANGES-AGRU CODE 069				
MOULDED FROM				
PPR				
d	CODE	PN6 SDR17	CODE	PN10 SDR11
20			PPBWQRB0020100	
25			PPBWQRB0025100	
32			PPBWQRB0032100	
40			PPBWQRB0040100	
50			PPBWQRB0050100	
63	PPBWQRB0063060		PPBWQRB0063100	
75	PPBWQRB0075060		PPBWQRB0075100	
90	PPBWQRB0090060		PPBWQRB0090100	
110	PPBWQRB0110060		PPBWQRB0110100	
125	PPBWQRB0125060		PPBWQRB0125100	
140	PPBWQRB0140060		PPBWQRB0140100	
160	PPBWQRB0160060		PPBWQRB0160100	
180	PPBWQRB0180060		PPBWQRB0180100	
200	PPBWQRB0200060		PPBWQRB0200100	
225	PPBWQRB0225060		PPBWQRB0225100	
250	PPBWQRB0250060		PPBWQRB0250100	
280	PPBWQRB0280060		PPBWQRB0280100	
315	PPBWQRB0315060		PPBWQRB0315100	
355	PPBWQRB0355060		PPBWQRB0355100	
400	PPBWQRB0400060		PPBWQRB0400100	
450	PPBWQRB0450060		PPBWQRB0450100	
500	PPBWQRB0500060		PPBWQRB0500100	
560	PPBWQRB0560060			
630	PPBWQRB0630060		PPBWQRB0630100	

REDUCERS-CONCENTRIC-AGRU CODE				
007 Moulded from				
PPR				
d	CODE	PN6 SDR17	CODE	PN10 SDR11
			PPBWRLC00630016100	
75x32mm	PPBWRLC00750032060		PPBWRLC00750032100	
110x63mm	PPBWRLC01100063060		PPBWRLC01100063100	
125x75mm	PPBWRLC01250075060		PPBWRLC01250075100	
160x110mm	PPBWRLC01600110060		PPBWRLC01600110100	
225x160mm	PPBWRLC02250160060		PPBWRLC02250160100	
315x225mm	PPBWRLC03150225060		PPBWRLC03150225100	
450x315mm	PPBWRLC04500315060		PPBWRLC04500315100	
630x450mm	PPBWRLC06300450060			

▲ SDR33 Fittings available on special request

REDUCERS-CONCENTRIC-AGRU CODE 009				
Short pattern moulded				
PPR				
d	CODE	PN6 SDR17	CODE	PN10 SDR11
25x20			PPBWRSC00250020100	
32x20			PPBWRSC00320020100	
32x25			PPBWRSC00320025100	
40x20			PPBWRSC00400020100	
40x25			PPBWRSC00400025100	
40x32			PPBWRSC00400032100	
50x25			PPBWRSC00500025100	
50x32			PPBWRSC00500032100	
50x40			PPBWRSC00500040100	
63x32			PPBWRSC00630032100	
63x40			PPBWRSC00630040100	
63x50			PPBWRSC00630050100	
75x32			PPBWRSC00750032100	
75x40			PPBWRSC00750040100	
70x50			PPBWRSC00750050100	
75x63	PPBWRSC00750063060		PPBWRSC00750063100	
90x50			PPBWRSC00900050100	
90x63	PPBWRSC00900063060		PPBWRSC00900063100	
90x75	PPBWRSC00900075060		PPBWRSC00900075100	
110x50			PPBWRSC01100050100	
110x63	PPBWRSC01100063060		PPBWRSC01100063100	
110x75	PPBWRSC01100075060		PPBWRSC01100075100	
110x90	PPBWRSC01100090060		PPBWRSC01100090100	
125x63	PPBWRSC01250063060		PPBWRSC01250063100	
125x75	PPBWRSC01250075060		PPBWRSC01250075100	
125x90	PPBWRSC01250090060		PPBWRSC01250090100	
125x110	PPBWRSC01250110060		PPBWRSC01250110100	
140x75	PPBWRSC01400075060		PPBWRSC01400075100	
140x90	PPBWRSC01400090060		PPBWRSC01400090100	
140x110	PPBWRSC01400110060		PPBWRSC01400110100	
140x125	PPBWRSC01400125060		PPBWRSC01400125100	
160x90	PPBWRSC01600090100		PPBWRSC01600090100	
160x110	PPBWRSC01600110060		PPBWRSC01600110100	
160x125	PPBWRSC01600125060		PPBWRSC01600125100	
160x140	PPBWRSC01600140060		PPBWRSC01600140100	
180x90	PPBWRSC01800090060		PPBWRSC01800090100	
180x110	PPBWRSC01800110060		PPBWRSC01800110100	
180x125	PPBWRSC01800125060		PPBWRSC01800125100	
180x140	PPBWRSC01800140060		PPBWRSC01800140100	
180x160	PPBWRSC01800160060		PPBWRSC01800160100	
200x140	PPBWRSC02000140060		PPBWRSC02000140100	
200x160	PPBWRSC02000160060		PPBWRSC02000160100	
200x180	PPBWRSC02000180060		PPBWRSC02000180100	
225x140	PPBWRSC02250140060		PPBWRSC02250140100	
225x160	PPBWRSC02250160060		PPBWRSC02250160100	
225x180	PPBWRSC02250180060		PPBWRSC02250180100	
225x200	PPBWRSC02250200060		PPBWRSC02250200100	
250x160	PPBWRSC02500160060		PPBWRSC02500160100	
250x180	PPBWRSC02500180060		PPBWRSC02500180100	
250x200	PPBWRSC02500200060		PPBWRSC02500200100	
250x225	PPBWRSC02500225060		PPBWRSC02500225100	
280x200	PPBWRSC02800225060		PPBWRSC02800225100	
280x225	PPBWRSC02800250060		PPBWRSC02800250100	
315x200	PPBWRSC03150200060		PPBWRSC03150200100	
315x225	PPBWRSC03150225060		PPBWRSC03150225100	
315x250	PPBWRSC03150250060		PPBWRSC03150250100	
315x280	PPBWRSC03150280060		PPBWRSC03150280100	

PP ELONGATED FITTING FOR BUTT & ELECTRO-FUSION



PP ELECTRO FUSION SOCKET	
AGRU CODE 375 For PP pipes in SDR 26/17,6/11,7.4	
d	CODE
20	PPEF375002011
25	PPEF375002511
32	PPEF375003211
40	PPEF375004011
50	PPEF375005011
63	PPEF375006311
75	PPEF375007511
90	PPEF375009011
110	PPEF375011011
125	PPEF375012511
140	PPEF375014011
160	PPEF375016011
180	PPEF375018011
200	PPEF375020011
225	PPEF375022511
250	PPEF375025011
280	PPEF375028011
315	PPEF375031511
355	PPEF375035511

END CAPS - AGRU CODE 064 Elongated moulded from PPR Available in SDR 11 PN 10 only		
d	CODE	Pn10 SDR 11
20	PPBWCA0020100	
25	PPBWCA0025100	
32	PPBWCA0032100	
40	PPBWCA0040100	
50	PPBWCA0050100	
63	PPBWCA0063100	
75	PPBWCA0075100	
90	PPBWCA0090100	
110	PPBWCA0110100	
125	PPBWCA0125100	
140	PPBWCA0140100	
160	PPBWCA0160100	
180	PPBWCA0180100	
200	PPBWCA0200100	
225	PPBWCA0225100	
250	PPBWCA0250100	
280	PPBWCA0280100	
315	PPBWCA0315100	

REDUCERS- AGRU CODE 067 Concentric elongated moulded from PPR Available in SDR 11 (pn10) only		
d	CODE	PN 10 SDR 11
25X20	PPBWRCE00250020100	
32X20	PPBWRCE00320020100	
32X25	PPBWRCE00320025100	
40X20	PPBWRCE00400020100	
40X25	PPBWRCE00400025100	
40X32	PPBWRCE00400032100	
50x25	PPBWRCE00500025100	
50x32	PPBWRCE00500032100	
50x40	PPBWRCE00500040100	
63x32	PPBWRCE00630032100	
63x40	PPBWRCE00630040100	
63x50	PPBWRCE00630050100	
75x50	PPBWRCE00750050100	
75x63	PPBWRCE00750063100	
90x63	PPBWRCE00900063100	
90x75	PPBWRCE00900075100	
110x63	PPBWRCE01100063100	
110x90	PPBWRCE01100090100	
125x63	PPBWRCE01250063100	
125x90	PPBWRCE01250090100	
125x110	PPBWRCE01250110100	
140x125	PPBWRCE01400125100	
160x90	PPBWRCE01600090100	
160x110	PPBWRCE01600110100	
160x125	PPBWRCE01600125100	
160x140	PPBWRCE01600140100	
180x125	PPBWRCE01800125100	
180x160	PPBWRCE01800160100	
200x160	PPBWRCE02000160100	
225x160	PPBWRCE02250160100	
250x160	PPBWRCE02500160100	
250x200	PPBWRCE02500200100	
250x225	PPBWRCE02500225100	
280x250	PPBWRCE02800250100	
315x200	PPBWRCE03150200100	
315x225	PPBWRCE03150225100	
315x250	PPBWRCE03150250100	

REDUCERS- AGRU- CODE 069 Eccentric elongated moulded from PPR Available in SDR11 (pn10) only		
d	CODE	PN 10 SDR11
25x20	PPBWREE00250020100	
32x25	PPBWREE00320025100	
40x25	PPBWREE00400025100	
40x32	PPBWREE00400032100	
50x32	PPBWREE00500032100	
50x40	PPBWREE00500040100	
63x32	PPBWREE00630032100	
63x40	PPBWREE00630040100	
63x50	PPBWREE00630050100	
75x50	PPBWREE00750050100	
75x63	PPBWREE00750063100	
90x63	PPBWREE00900063100	
90x75	PPBWREE00900075100	
110x63	PPBWREE01100063100	
110x90	PPBWREE01100090100	
125x63	PPBWREE01250063100	
125x90	PPBWREE01250090100	
125x110	PPBWREE01250110100	
140x125	PPBWREE01400125100	
160x90	PPBWREE01600090100	
160x110	PPBWREE01600110100	
160x125	PPBWREE01600125100	
160x140	PPBWREE01600140100	
180x90	PPBWREE01800090100	
180x125	PPBWREE01800125100	
180x160	PPBWREE01800160100	
200x160	PPBWREE02000160100	
200x180	PPBWREE02000180100	
225x160	PPBWREE02250160100	
225x180	PPBWREE02250180100	
225x200	PPBWREE02250200100	
250x200	PPBWREE02500200100	
250x225	PPBWREE02500225100	

* NON STOCK ITEM BUT AVAILABLE ON REQUEST

PP ELONGATED FITTING FOR BUTT & ELECTRO-FUSION



TEES-AGRU CODE 065					
Reinforced with reduced branch and long legs moulded from PPR					
d	CODE	PN 6	SDR17	CODE	PN 10 SDR11
63 X 25					
63 X 32					
63x50	PPBWTRL00630050060			PPBWTRL00630050100	
75x32				PPBWTRL00750032100	
75x50	PPBWTRL00750050060			PPBWTRL00750050100	
75x63	PPBWTRL00750063060			PPBWTRL00750063100	
90x63	PPBWTRL00900063060			PPBWTRL00900063100	
90x75	PPBWTRL00900075060			PPBWTRL00900075100	
110x63	PPBWTRL01100063060			PPBWTRL01100063100	
110x75	PPBWTRL01100075060			PPBWTRL01100075100	
110x90	PPBWTRL01100090060			PPBWTRL01100090100	
125x63	PPBWTRL01250063060			PPBWTRL01250063100	
125x90	PPBWTRL01250090060			PPBWTRL01250090100	
125x110	PPBWTRL01250110060			PPBWTRL01250110100	
160x63	PPBWTRL01600063060			PPBWTRL01600063100	
160x75	PPBWTRL01600075060			PPBWTRL01600075100	
160x90	PPBWTRL01600090060			PPBWTRL01600090100	
160x110	PPBWTRL01600110060			PPBWTRL01600110100	
180x90	PPBWTRL01800090060			PPBWTRL01800090100	
180x110				PPBWTRL01800110100	
180x160	PPBWTRL01800160060			PPBWTRL01800160100	
200x63	PPBWTRL02000063060			PPBWTRL02000063100	
200x90	PPBWTRL02000090060			PPBWTRL02000090100	
200x110	PPBWTRL02000110060			PPBWTRL02000110100	
200x125	PPBWTRL02000125060			PPBWTRL02000125100	
200x160	PPBWTRL02000160060			PPBWTRL02000160100	
225x75	PPBWTRL02250075060			PPBWTRL02250075100	
225x90	PPBWTRL02250090060			PPBWTRL02250090100	
225x110	PPBWTRL02250110060			PPBWTRL02250110100	
225x160	PPBWTRL02250160060			PPBWTRL02250160100	
225x180	PPBWTRL02250180060			PPBWTRL02250180100	
315x110	PPBWTRL03150110060			PPBWTRL03150110100	
315x160	PPBWTRL03150160060			PPBWTRL03150160100	
315x225	PPBWTRL03150225060			PPBWTRL03150225100	
315x250	PPBWTRL03150250060			PPBWTRL03150250100	
400 X 225	PPBWTRL04000225060				

ELBOWS 45 - AGRU CODE 060				
Elongated moulded from PPR				
d	CODE	PN 6	SDR17	PN10 SDR11
20				PPBWGYB0020100
25				PPBWGYB0025100
32				PPBWGYB0032100
40				PPBWGYB0040100
50				PPBWGYB0050100
63	PPBWGYB0063060			PPBWGYB0063100
75	PPBWGYB0075060			PPBWGYB0075100
90	PPBWGYB0090060			PPBWGYB0090100
110	PPBWGYB0110060			PPBWGYB0110100
125	PPBWGYB0125060			PPBWGYB0125100
140	PPBWGYB0140060			PPBWGYB0140100
160	PPBWGYB0160060			PPBWGYB0160100
180	PPBWGYB0180060			PPBWGYB0180100
200	PPBWGYB0200060			PPBWGYB0200100
225	PPBWGYB0225060			PPBWGYB0225100
250	PPBWGYB0250060			PPBWGYB0250100
280	PPBWGYB0280060			PPBWGYB0280100
315	PPBWGYB0315060			PPBWGYB0315100

TEES-AGRU CODE 066		
Reinforced with long legs moulded from PPR		
Available in SDR11 (pn10) only		
d	CODE	PN 10 SDR 11
20	PPBWTL0020100	
25	PPBWTL0025100	
32	PPBWTL0032100	
40	PPBWTL0040100	
50	PPBWTL0050100	
63	PPBWTL0063100	
75	PPBWTL0075100	
90	PPBWTL0090100	
110	PPBWTL0110100	
125	PPBWTL0125100	
140	PPBWTL0140100	
160	PPBWTL0160100	
180	PPBWTL0180100	
200	PPBWTL0200100	
225	PPBWTL0225100	
250	PPBWTL0250100	
280	PPBWTL0280100	
315	PPBWTL0315100	

STUB FLANGES - AGRU CODE		
062 According to DIN standard		
Elongated moulded from PPR		
Available in SDR11 (PN10) only		
d	CODE	PN 10 SDR11
20	PPBWQRL0020100	
25	PPBWQRL0025100	
32	PPBWQRL0032100	
40	PPBWQRL0040100	
50	PPBWQRL0050100	
63	PPBWQRL0063100	
75	PPBWQRL0075100	
90	PPBWQRL0090100	
110	PPBWQRL0110100	
125	PPBWQRL0125100	
140	PPBWQRL0140100	
160	PPBWQRL0160100	
180	PPBWQRL0180100	
200	PPBWQRL0200100	
225	PPBWQRL0225100	
250	PPBWQRL0250100	
280	PPBWQRL0280100	
315	PPBWQRL0315100	

PP SOCKET FUSION PLAIN FITTINGS



ELBOW 45	
AGRU- CODE 050 FOR SOCKET WELDING MOULDED OUT OF PP-R	
d	CODE
20	PPFWGYM0020
25	PPFWGYM0025
32	PPFWGYM0032
40	PPFWGYM0040
50	PPFWGYM0050
63	PPFWGYM0063
75	PPFWGYM0075
90	PPFWGYM0090
110	PPFWGYM0110

ELBOW 90	
AGRU CODE 051 FOR SOCKET WELDING MOULDED OUT OF PP-R	
d	CODE
20	PPFWGOM0020
25	PPFWGOM0025
32	PPFWGOM0032
40	PPFWGOM0040
50	PPFWGOM0050
63	PPFWGOM0063
75	PPFWGOM0075
90	PPFWGOM0090
110	PPFWGOM0110

TEES	
AGRU- CODE 056 FOR SOCKET WELDING MOULDED OUT OF PP-R	
d	CODE
20	PPFWTIM0020
25	PPFWTIM0025
32	PPFWTIM0032
40	PPFWTIM0040
50	PPFWTIM0050
63	PPFWTIM0063
75	PPFWTIM0075
90	PPFWTIM0090
110	PPFWTIM0110

FLANGE ADAPTOR	
AGRU CODE 052 FOR SOCKET WELDING MOULDED OUT OF PP-R	
d	CODE
20	PPFWQRM0020
25	PPFWQRM0025
32	PPFWQRM0032
40	PPFWQRM0040
50	PPFWQRM0050
63	PPFWQRM0063
75	PPFWQRM0075
90	PPFWQRM0090
110	PPFWQRM0110

SOCKETS	
AGRU CODE 053 FOR SOCKET WELDING MOULDED OUT OF PP-R	
d	CODE
20	PPFWMAM0020
25	PPFWMAM0025
32	PPFWMAM0032
40	PPFWMAM0040
50	PPFWMAM0050
63	PPFWMAM0063
75	PPFWMAM0075
90	PPFWMAM0090
110	PPFWMAM0110

REDUCERS	
AGRU CODE 057 FOR SOCKET WELDING MADE OUT OF PP-R	
d	CODE
25x20	PPFWRLM00250020
32x20	PPFWRLM00320020
32x25	PPFWRLM00320025
40x20	PPFWRLM00400020
40x25	PPFWRLM00400025
40x32	PPFWRLM00400032
50x20	PPFWRLM00500020
50x25	PPFWRLM00500025
50x32	PPFWRLM00500032
50x40	PPFWRLM00500040
63x25	PPFWRLM00630025
63x32	PPFWRLM00630032
63x40	PPFWRLM00630040
63x50	PPFWRLM00630050
75x63	PPFWRLM00750063
90x63	PPFWRLM00900063
90x75	PPFWRLM00900075
110x63	PPFWRLM01100063
110x90	PPFWRLM01100090

END CAPS	
AGRU CODE 054 FOR SOCKET WELDING MOULDED OUT OF PP-R	
d	CODE
20	PPFWCAM0020
25	PPFWCAM0025
32	PPFWCAM0032
40	PPFWCAM0040
50	PPFWCAM0050
63	PPFWCAM0063
75	PPFWCAM0075
90	PPFWCAM0090
110	PPFWCAM0110

TEES REDUCED	
AGRU CODE 055 FOR WELDING SOCKET MOULDED OUT OF PP-R	
d	CODE
25x20	PPFWTRM00250020
32x20	PPFWTRM00320020
32x25	PPFWTRM00320025
40x20	PPFWTRM00400020
40x25	PPFWTRM00400025
40x32	PPFWTRM00400032
50x20	PPFWTRM00500020
50x25	PPFWTRM00500025
50x32	PPFWTRM00500032
50x40	PPFWTRM00500040
63x25	PPFWTRM00630025
63x32	PPFWTRM00630032
63x40	PPFWTRM00630040
63x50	PPFWTRM00630050

PP SOCKET FUSION ADAPTOR/PLAIN FITTINGS



SOCKET UNION BOM	
AGRU CODE 024.11 SPIGOT FOR SOCKET WELDING	
d	CODE
20	PPFWBOM0020
25	PPFWBOM0025
32	PPFWBOM0032
40	PPFWBOM0040
50	PPFWBOM0050
63	PPFWBOM0063
75	PPFWBOM0075
90	PPFWBOM0090

ADAPTOR AM3M AGRU CODE 035 FOR SOCKET WELDING MOULDED OUT OF PP-R/ PEHD WITH MALE THREAD	
d x d x BSP	CODE
20x25x3/4	PPFWAM3M002000250750
25x32x1	PPFWAM3M002500321000
32x40x1,1/4	PPFWAM3M003200401250
40x50x1,1/2	PPFWAM3M004000501500
50x63x2	PPFWAM3M005000632000

SOCKET COUPLINGS MA3M AGRU CODE 034 One end plain for socket welding, the other one parallel threaded female	
d	CODE
20x1/2	PPFWMA3M00200500
25x3/4	PPFWMA3M00250750
32x1	PPFWMA3M00321000
40x1,1/4	PPFWMA3M00401250
50x1,1/2	PPFWMA3M00501500
63x2	PPFWMA3M00632000

MAX. PRESSURE RATING PP SOCKET SUSION
Fittings 20 -90 PN16 110PN10
Unions Threaded Fittings 10 bar

BACKING RINGS



PP BACKING RINGS WITH STEEL INSERT AS PER ANSI STANDARD BLACK PP COATING AVAILABLE ON SPECIAL REQUEST	
AGRU CODE 013 Dia	CODE
20	PPBWPBR0020160A
25	PPBWPBR0025160A
32	PPBWPBR0032160A
40	PPBWPBR0040160A
50	PPBWPBR0050160A
63	PPBWPBR0063160A
75	PPBWPBR0075160A
90	PPBWPBR0090160A
110/125	PPBWPBR0110160A
160	PPBWPBR0160160A
200/225	PPBWPBR0200160A
250	PPBWPBR0250160A
315	PPBWPBR0315160A

BLANK FLANGES WITH STEEL INSERT AS PER ANSI STANDARD AVAILABLE IN BLACK PP ONLY	
AGRU CODE 043 Dia	CODE
20	PPBWFLB0020160A
25	PPBWFLB0025160A
32	PPBWFLB0032160A
40	PPBWFLB0040160A
50	PPBWFLB0050160A
63	PPBWFLB0063160A
75	PPBWFLB0075160A
90	PPBWFLB0090160A
110/125	PPBWFLB0110160A
160	PPBWFLB0160160A
20/250	PPBWFLB0200160A
250	PPBWFLB0250160A
315	PPBWFLB0315100A

BLACK FLANGES WITH STEEL INSERT AS PER DIN STANDARD	
AGRU CODE 045 DIA	CODE
20	PPBWFLB0020160B
25	PPBWFLB0025160B
32	PPBWFLB0032160B
40	PPBWFLB0040160B
50	PPBWFLB0050160B
63	PPBWFLB0063160B
75	PPBWFLB0075160B
90	PPBWFLB0090160B
110/125	PPBWFLB0110160B
140	PPBWFLB0140160B
160/180	PPBWFLB0160160B
200/225	PPBWFLB0200160B
250/280	PPBWFLB0250160B
315	PPBWFLB0315160B
355	PPBWFLB0355160B
400	PPBWFLB0400160B

PP BACKING RINGS WITH STEEL INSERT AS PER DIN STANDARD BLACK PP COATING AVAILABLE ON SPECIAL REQUEST	
AGRU CODE 014/015/025 DIA	CODE
20	PPBWPBR0020160B
25	PPBWPBR0025160B
32	PPBWPBR0032160B
40	PPBWPBR0040160B
50	PPBWPBR0050160B
63	PPBWPBR0063160B
75	PPBWPBR0075160B
90	PPBWPBR0090160B
110	PPBWPBR0110160B
125	PPBWPBR0125160B
140	PPBWPBR0140160B
160	PPBWPBR0160160B
180	PPBWPBR0180160B
200	PPBWPBR0200160B
225	PPBWPBR0225160B
250	PPBWPBR0250160B
280	PPBWPBR0280160B
315	PPBWPBR0315160B
355	PPBWPBR0355160B
400	PPBWPBR0400160B
450	PPBWPBR0450160B
500	PPBWPBR0500160B

PP EXTRUDED SHEETS, BARS & WELDING RODS



AGRU CODE 600 SHEETS	
THICKNESS mm	PP
	kg/pc
1	3,65
2	5,47
4	7,30
5	9,12
6	10,90
8	14,60
10	18,20
12	21,90
15	27,40
20	36,50
25	45,60
30	54,70
35	63,80
40	73,00

AGRU CODE 600 SHEETS EXTRUDED		SIZE 3000 x 1500 mm
THICKNESS mm	PP	PP grey
	kg/p	
3	12,30	
4	16,40	
5	25,00	
6	24,60	
8	32,80	
10	41,10	
12	49,30	
15	61,60	
20	82,10	
25	103,00	
30	123,00	
35	144,00	
40	164,00	
50	205,00	

AGRU CODE 600 SHEETS EXTRUDED		
THICKNESS mm	PP	SIZE 4000 x 2000 mm PP grey
	kg/pc	
3	21,90	
4	29,20	
5	36,50	
6	43,80	
8	58,40	
10	73,00	
12	87,60	
15	109,00	
20	146,00	
25	182,50	
30	219,00	
35	255,00	
40	292,00	

CODE 610	SIZE 2000 x 1000mm	SIZE 3000 x 1500mm
PP FABRIC BACKED EXTRUDED SHEETS		
THICKNESS mm		
	3	
	4	
	5	
	6	

AGRU-ULTRA GRIN CPL	
CODE 562	
FORMAT 4000 X 2000mm	
THICKNESS mm	PP
	CODE 562
	Grey extruded
± 3.0	
5.0	
8.0	

ROUND BARS		
AGRU CODE 800		
OUT OF PP AND PE 80		
according to DIN 16980		
standard length: 1m		
special lengths on request		
d	Weight kg/m PP	CODE PPRB-BAR
15	0,18	PPRBBAR0015
20	0,30	PPRBBAR0020
25	0,47	PPRBBAR0025
30	0,67	PPRBBAR0030
35	0,93	PPRBBAR0035
40	1,19	PPRBBAR0040
45	1,51	PPRBBAR0045
50	1,87	PPRBBAR0050
55	2,26	PPRBBAR0055
60	2,69	PPRBBAR0060
70	3,64	PPRBBAR0070
75	4,19	PPRBBAR0075
80	4,74	PPRBBAR0080
90	5,99	PPRBBAR0090
100	7,40	PPRBBAR0100
110	8,94	PPRBBAR0110
125	11,60	PPRBBAR0125
140	14,50	PPRBBAR0140
160	18,90	PPRBBAR0160
180	23,90	PPRBBAR0180
200	30,00	PPRBBAR0200
220	36,10	PPRBBAR0220
250	46,50	PPRBBAR0250
300	66,70	PPRBBAR0300
325	70,90	PPRBBAR0325
370	96,30	PPRBBAR0370
410	125,00	PPRBBAR0410
510	193,00	PPRBBAR0510
640	303,00	PPRBBAR0640

WELDING ROD				
IN ROLLS OF APPROX. 3KG				
STANDARD STOCK				
PPFW- WEL-				
PROFILE AGRU	DIA	LENGTH	CODE	PPR/PPHP
AGRU		m/kg	PPFW	GREY
AGRU CODE 410	3,0	155	PPFWWEL0003410	
	4,0	85	PPFWWEL0004410	
	5,0	55	PPFWWEL0005410	
AGRU CODE 411	5x3	92	PPFWWEL00050003411	
	6x4	53	PPFWWEL00060004411	

Further dimensions and profiles on request - Standard stock rolls of 3kg. Locally produced welding rod available on request

Pressed sheets are available on request up to and including 120mm thickness.

PP Natural sheets and round bars are non-stock items, but are available.

Fullrange of sheeting in different colours specially for prosthetic application -available by special request,

± Availablein rolls of 50m L x 5m W. Also available with studs of 19mm. Normal studs 13mm All CPL liners have a 40mm smooth border for welding. Available with Polyester fabric Backing (code 563) Available with UV Stabilisation (code568)

PPH PRESSURE PIPE



Ventilation pipe	AGRU	CODE	PN 2.5 SDR41	CODE	PN 3.2 SDR41	CODE	PN 4 SDR26	CODE	PN 6 SDR17.6	CODE	PN 10 SDR11	CODE	PN 16 SDR7.411
	DIA	PPAP		PPAP		PPAP		PPAP		PPAP		PPAP	
	12												PPAP0012160
	16										PPAP0016100		
	20										PPAP0020100		PPAP0020160
	25										PPAP0025100		PPAP0025160
	32										PPAP0032100		PPAP0032160
	40							PPAP0032060			PPAP0032100		PPAP0032160
	50					PPAP0040040		PPAP0040060			PPAP0040100		PPAP0040160
	63			PPAP0050032		PPAP0050040		PPAP0050060			PPAP0050100		PPAP0050160
	75			PPAP0063032		PPAP0063040		PPAP0063060			PPAP0063100		PPAP0063160
	90			PPAP0075032		PPAP0075040		PPAP0075060			PPAP0075100		PPAP0075160
	110			PPAP0090032		PPAP0090040		PPAP0090060			PPAP0090100		PPAP0090160
	125	PPAP0110025		PPAP0110032		PPAP0110040		PPAP0110060			PPAP0110100		PPAP0110160
	140	PPAP0125025		PPAP0125032		PPAP0125040		PPAP0125060			PPAP0125100		PPAP0125160
	160	PPAP0140025		PPAP0140032		PPAP0140040		PPAP0140060			PPAP0140100		PPAP0140160
	180	PPAP0160025		PPAP0160032		PPAP0160040		PPAP0160060			PPAP0160100		PPAP0160160
	200	PPAP0180025		PPAP0180032		PPAP0180040		PPAP0180060			PPAP0180100		
PPAPVEN0200PPH	225	PPAP0200025		PPAP0200032		PPAP0200040		PPAP0200060			PPAP0200100		
	250	PPAP0225025		PPAP0225032		PPAP0225040		PPAP0225060			PPAP0225100		
PPAPVEN0250PPH	280	PPAP0250025		PPAP0250032		PPAP0250040		PPAP0250060			PPAP0250100		
	315	PPAP0280025		PPAP0280032		PPAP0280040		PPAP0280060			PPAP0280100		
PPAPVEN0315PPH	355	PPAP0315025		PPAP0315032		PPAP0315040		PPAP0315060			PPAP0315100		
PPAPVEN0355PPH	400	PPAP0355025		PPAP0355032		PPAP0355040		PPAP0355060			PPAP0355100		
PPAPVEN0400PPH	450	PPAP0400025		PPAP0400032		PPAP0400040		PPAP0400060			PPAP0400100		
PPAPVEN0450PPH	500	PPAP0450025		PPAP0450032		PPAP0450040		PPAP0450060			PPAP0450100		
PPAPVEN0500PPH	560	PPAP0500025		PPAP0500032		PPAP0500040		PPAP0500060			PPAP0500100		
PPAPVEN0560PPH	630	PPAP0560025		PPAP0560032		PPAP0560040		PPAP0560060					
PPAPVEN0630PPH	710	PPAP0630025		PPAP0630032		PPAP0630040							
PPAPVEN0710PPH	800	PPAP0710025		PPAP0710032		PPAP0710040							
PPAPVEN0800PPH	900	PPAP0800025		PPAP0800032		PPAP0800040							
PPAPVEN0900PPH	1000	PPAP0900025		PPAP0900032		PPAP0900040							
PPAPVEN1000PPH	1200	PPAP1000025		PPAP1000032									
PPAPVEN1200PPH	1400	PPAP1200025		PPAP1200032									
PPAPVEN1400PPH													

✓ VENTILATION PIPE FROM 400mm DIAMETERS AVAILABLE ON REQUEST