



POLYPROPYLENE
MINERAL REINFORCED
PP-MD SYSTEMS
Product Catalogue



almona SEWAGE & DRAINAGE



Only products bearing the NSF, SASO, WRAS, DVGW and SKZ Mark are certified by those organizations.



almonaplast.com

ABOUT US

Almona is a leading Saudi Arabian plastic pipe manufacturing company and since our establishment in 2008 we have constantly evolved to meet the requirements of our most demanding customers. Our aim is to provide sophisticated and diverse pipe solutions for hot and cold water applications, telecommunication networks, sewage and drainage systems together with water and gas infrastructure.

We are a certified to ISO 9001:2015 Quality Management Systems organization and all our products comply with the appropriate Saudi (SASO), German (DIN) and International (ISO) Standards. Our pipe systems for drinking water applications are NSF-61, WRAS and DVGW certified and all Almona products are tested extensively in our state-of-the-art laboratory, to ensure that the quality and performance are continuously maintained.

Almona's success is the result of the company's persistent commitment to continuous innovation and investment in technology, in the relentless pursuit of providing quality products and services. Today, we are pleased to offer a wide range of plastic products, divided into four categories:



BUILDINGS



SEWAGE AND DRAINAGE




INFRASTRUCTURE



TELECOMMUNICATION DUCTING

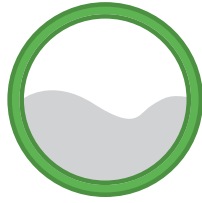
// WE DESIGN, DEVELOP, MANUFACTURE AND PROVIDE INNOVATIVE PIPE SOLUTIONS THAT BEST MEET THE NEEDS OF OUR CUSTOMERS //

CHARACTERISTICS OF almona PP-MD SYSTEMS

Installation	Underground, inside and outside buildings.
Area of applications	<ul style="list-style-type: none">• Application area code "UD": underground non-pressure drainage and sewerage.• Application area code "BD": soil and waste discharge systems within the building structure.
Colors	 RAL 6017
Pipe Technology	3-layers technology <ul style="list-style-type: none">• Outer layer: High stiffness & impact resistant Polypropylene (PP).• Middle layer: High stiffness mineral reinforced soundproof Polypropylene (PP-MD) systems within the building structure.• Inner layer: Chemical & abrasion resistant Polypropylene (PP).
Jointing Technology	Push-Fit with innovative 3-lip elastomeric rubber seal <ul style="list-style-type: none">• Tensioning and retaining lip prevent dirt build-up between the pipe wall and the rubber gasket and stop the rubber gasket from being pressed out or rolling during push fit connection.• Wiping lip keep back any dirt on the pipe during the connection.• Sealing lip assures a durable long-term connection.
Optional	UV resistant
Lifespan	50 years (depending on the operating conditions)



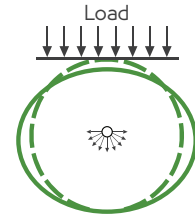
ADVANTAGES OF almona PP-MD SYSTEMS



High stiffness
due to 3-layer almona technology



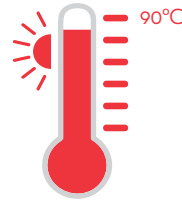
Easy connection to other pipe systems such as HDPE & PVC without additional transition fittings required



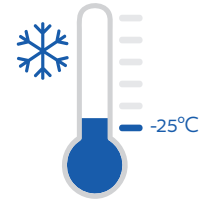
Resistance to external loads due to improved elasticity



Noise reduction without insulation due to 3-layer almona technology



High temperature resistance up to 90°C (peak 95°C)



Operation and installation at low temperatures (-25°C)



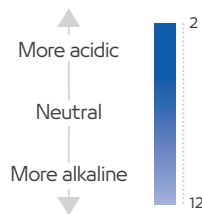
Resistant to ground movement due to innovative 3-lip design of rubber sealing gasket



Leak free system due to 3-lip innovative rubber sealing gasket



Fast and easy installation (push-fit) and contamination free due to the innovative design of the rubber sealing gasket



Chemical resistance ranging from pH2 to pH12



Corrosion free system



100% recyclable and sustainable systems

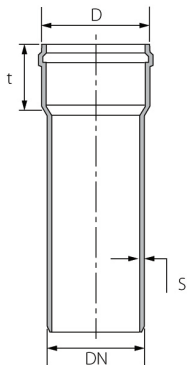
PRODUCT RANGE

Pipes

Almona mineral reinforced polypropylene pipes range in size from DN 32mm to 200mm.

Pipes SN10 with push-fit socket and 3-lip rubber sealing ring

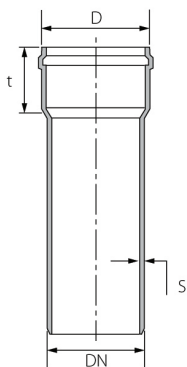
Material: mineral reinforced polypropylene



Code	Ring Stiffness kN/m ²	DN (mm)	D (mm)	S (mm)	t (m)	Pipe length (m)
SN10	32	45	3.4	42	6	
SN10	40	55	3.4	44	6	
SN10	50	65	3.4	46	6	
SN10	75	90	3.4	49	6	
SN10	90	107	3.4	54	6	
SN10	110	130	3.4	65	6	
SN10	125	149	3.9	72	6	
SN10	160	186	4.9	75	6	
SN10	200	228	6.2	108	6	

Pipes SN16 with push-fit socket and 3-lip rubber sealing ring

Material: mineral reinforced polypropylene

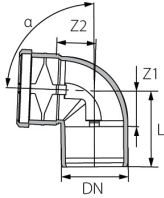


Code	Ring Stiffness kN/m ²	DN (mm)	D (mm)	S (mm)	t (m)	Pipe length (m)
SN16	32	45	3.4	42	6	
SN16	40	55	3.4	44	6	
SN16	50	65	3.4	46	6	
SN16	75	90	3.4	49	6	
SN16	90	107	3.4	54	6	
SN16	110	130	4.2	65	6	
SN16	125	149	4.8	72	6	
SN16	160	186	6.2	75	6	
SN16	200	228	7.7	108	6	

Fittings

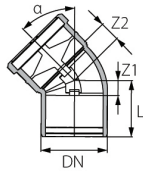
Almona mineral reinforced polypropylene fittings range in size from DN 32mm to 200mm.

Bend 87,5°



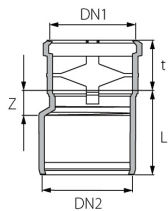
Code	DN (mm)	L (mm)	Z1 (mm)	Z2 (mm)
	50	97	39	52
	75	125	60	69
	110	158	82	93
	160	195	95	108

Bend 45°



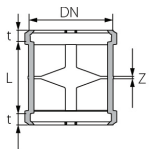
Code	DN (mm)	L (mm)	Z1 (mm)	Z2 (mm)
	50	75	17	27
	75	86	21	33
	110	110	34	41
	160	149	49	59

Reducer



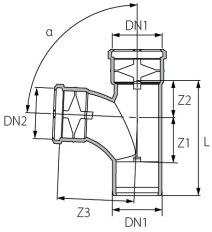
Code	DN 1 (mm)	DN 2 (mm)	L (mm)	t (mm)	Z (mm)
	32	50			
	50	75			
	50	110			
	75	110			
	110	160	44	69	151

Double Socket



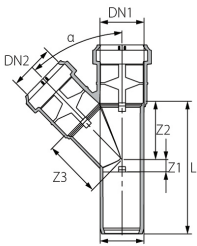
Code	DN (mm)	L (mm)	t (mm)	Z (mm)
	50	65	20	3
	75	75	22	3
	110	85	28	3
	160	108	38	4

Tee 87,5°



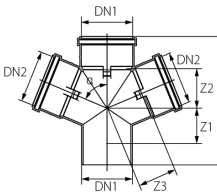
Code	DN 1 (mm)	DN 2 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L (mm)
	50	50	38	40	83	136
	75	75	60	54	105	179
	110	110	82	73	134	231
	160	110	72	78	136	250
	160	160	95	103	155	298

Branch 45°



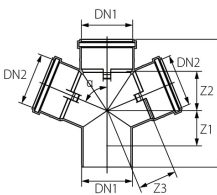
Code	DN 1 (mm)	DN 2 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L (mm)
	50	50	16	68	68	142
	75	75	26	98	98	189
	110	110	34	141	141	251
	160	110	19	171	175	290
	160	160	53	205	205	358

Double Branch 45°



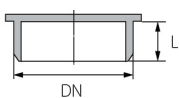
Code	DN 1 (mm)	DN 2 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L (mm)
	110	110	34	141	141	320

Double Branch 87.5°



Code	DN 1 (mm)	DN 2 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L (mm)
	110	110	82	73	93	300

End Cap



Code	DN (mm)	L (mm)
	110	50
	160	70



Saudi made

صنع بالسعودية



High quality

جودة عالية



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