

Product Test Certificate

Customer Name / Project Name

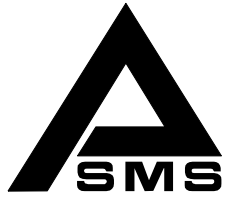
Conecto Profiles Sp. Z.O.O.
VAT No.: PL6182182285

Production Location	Samsun Makina Sanayi Samsun Factory	Pipe Diameter	DN100	Class	C40	Standard Length (m)	6	Quantity (psc)	220	Reference Standard	ISO 2531 EN545	Date	13.12.2023 SE-79207/23
---------------------	--	---------------	-------	-------	-----	---------------------	---	----------------	-----	--------------------	----------------	------	---------------------------

SN	Heat No	# of pipes with the same heat no	Chemical Composition				Microstructure		Tensile Test		Hardness	Hydrostatic Pressure Testing		Wall Thickness	External Coating Thickness		Internal Coating Thickness	External Diameter	Internal Diameter	Length of Pipes	Pipe Straightness	Socket depth of Joints	Marking of pipes	Appearance	Ovality of pipes
			%C	%Si	%Mn	%Mg	Sphere	Nodule	Tensile strength (Mpa)	Elong. %	Brinell	40Bar	15 S	Min 3,0mm	Min. 70 Epoxy Coating (µm)	Zn Al 400 gr/m²	Dry Lining Thickness min. 2,5 mm	(115,2-119) mm	(min 90) mm	6000 mm (+70 /-30 mm)	0,125%	Acc. to SMS technical drawings	Acc.to Standard	free from defects	remain with in the tolerance on DE
1	09112302	10	3,63	2,19	0,229	0,062	96	732	501	16,9	160	OK	OK	5,67	123	424	4,35	116,2	95	OK	OK	OK	OK	OK	
2	09112307	150	3,57	2,32	0,258	0,046	90	901	501	16,9	158	OK	OK	5,92	116	424	4,4	116,2	95	OK	OK	OK	OK	OK	
3	09112308	60	3,62	2,42	0,251	0,057	94	809	501	16,9	163	OK	OK	5,89	109	424	4,65	116,2	94	OK	OK	OK	OK	OK	
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									

SAMSUN MAKİNA SANAYİ
ANONİM ŞİRKETİ
Ankara Kurum No: 742 0036 R36





Product Test Certificate

Customer Name / Project Name

Conecto Profiles Sp. Z.O.O.
VAT No.: PL6182182285

Production Location	Samsun Makina Sanayi Samsun Factory	Pipe Diameter	DN200	Class	C40 SK-TYPE	Standard Length (m)	6	Quantity (psc)	9	Reference Standard	EN545 ISO2531	Date	13.12.2023 SE-79207/23
---------------------	-------------------------------------	---------------	-------	-------	-------------	---------------------	---	----------------	---	--------------------	---------------	------	------------------------

SN	Heat No	# of pipes with the same heat no	Chemical Composition				Microstructure		Tensile Test		Hardness	Hydrostatic Pressure Testing		Wall Thickness	External Coating Thickness			Internal Coating Thickness	External Diameter	Internal Diameter	Length of Pipes	Pipe Straightness	Socket depth of Joints	Marking of pipes	Appearance	Ovality of pipes
			%C	%Si	%Mn	%Mg	Sphere	Nodule	Tensile strength (Mpa)	Elong. %		40 Bar	15 S		Min. 70 Epoxy Coating (µm)	Al Zn 400 gr/m²	Dry Lining Thickness min. 2,5 mm									
1	28082301	9	3,57	1,98	0,291	0,057	91	761	533	22	162	OK	OK	6,07	118	424	4,41	220,2	198	OK	OK	OK	OK	OK	OK	
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										
13																										
14																										
15																										
16																										
17																										
18																										
19																										
20																										
21																										
22																										
23																										
24																										
25																										

SAMSUN MAKINA SANAYI
ANONİM ŞİRKETİ
Ankara Kurum No: 742 0036 R36

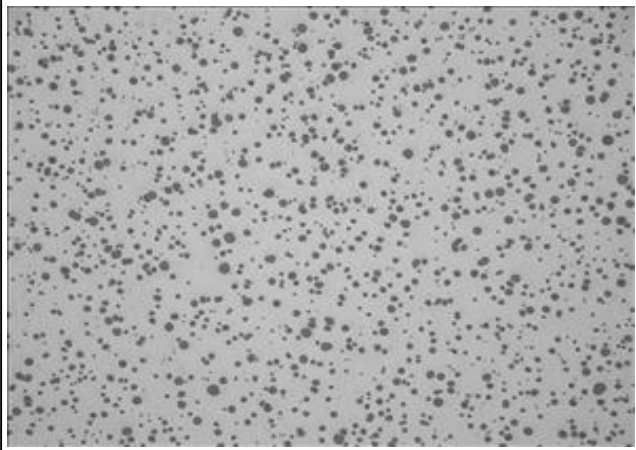




Leica Cast Iron Report - ISO 945-2

Specimen Identity	09112302
Material Type	DN 100
Customer	CONECTO Z.O.O
Nodules V&VI	min: %80
Nodule VI (C/mm2)	min: 400

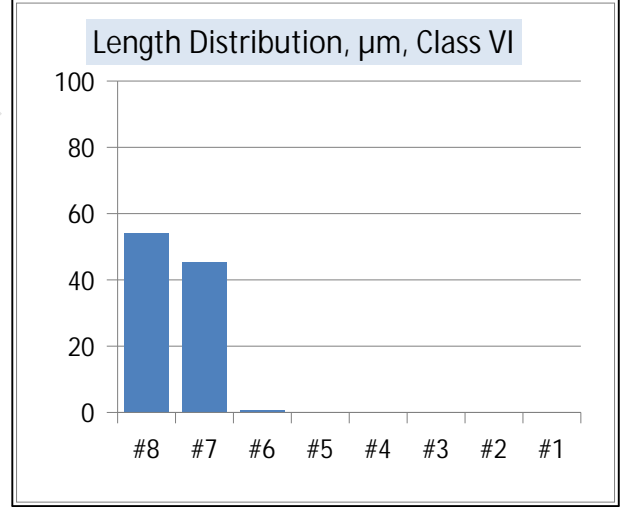
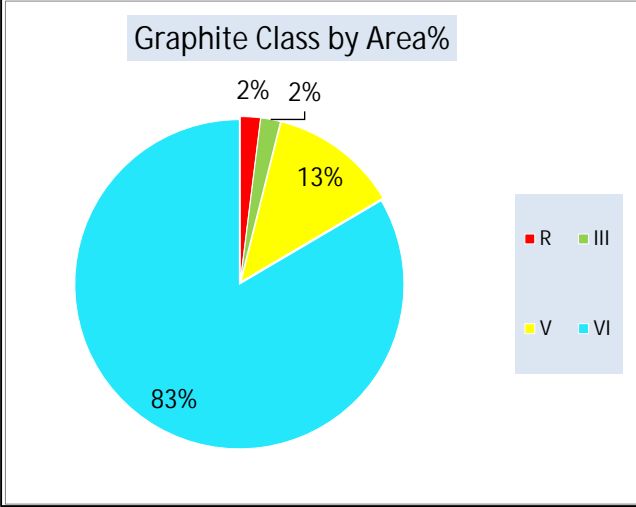
Preparation	
HBW EN6506-1 max: 230 HB	HB 160
Other factors	
Date	13,12,2023



#Graphite Images = 1



#Ferrite Images = 0



Adjusted results for Ferrite and Pearlite

Graphite%	0,00	Ferrite%	0,00	Pearlite%	0,00	F/P Ratio =	96,52
Graphite Nodule Results				Graphite Spec Area, mm ² =		1,61	
Class	R	III	V	VI	Total		
Area μm ²	2,0%	1,9%	12,6%	83,5%	203809		
Count	2,1%	1,4%	8,8%	87,7%	1178,00		
Count per mm ²	15,54	9,94	64,63	641,94	732,05		

Approved By:

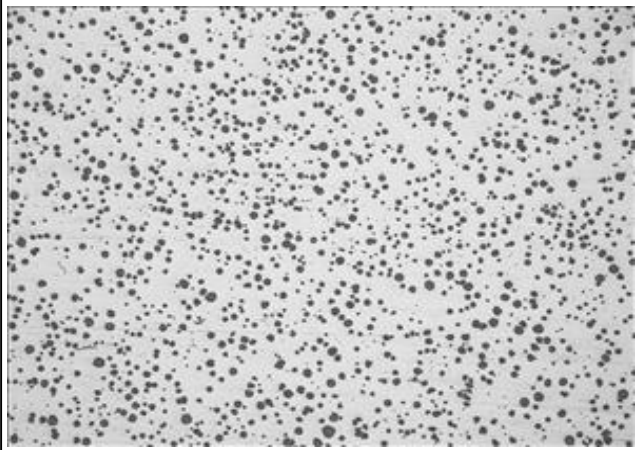




Leica Cast Iron Report - ISO 945-2

Specimen Identity	28082301
Material Type	DN 200
Customer	CONECTO Z.O.O
Nodules V&VI	min: %80
Nodule VI (C/mm2)	min: 400

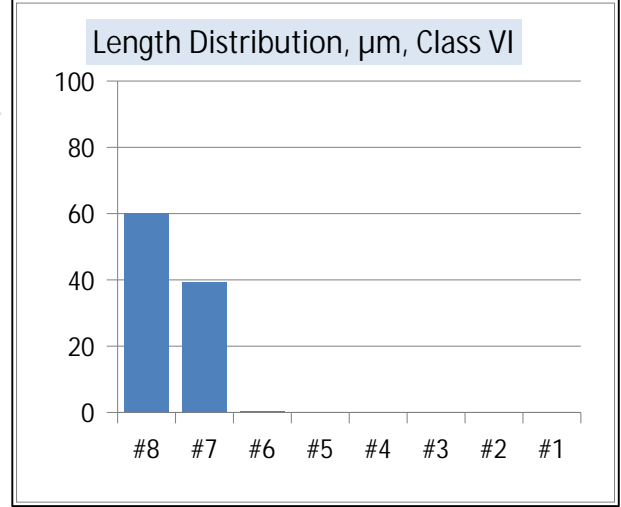
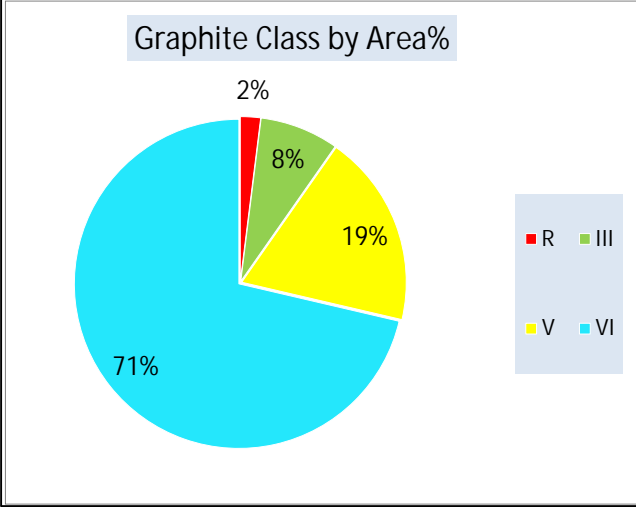
Preparation	
HBW EN6506-1 max: 230 HB	HB 162
Other factors	
Date	13,12,2023



#Graphite Images = 1



#Ferrite Images = 0



Adjusted results for Ferrite and Pearlite

Graphite%	0,00	Ferrite%	0,00	Pearlite%	0,00	F/P Ratio =	91,67
Graphite Nodule Results				Graphite Spec Area, mm ² =		1,61	
Class	R	III	V	VI	Total		
Area μm ²	2,0%	7,7%	18,9%	71,4%	190570		
Count	3,3%	5,0%	16,2%	75,5%	1225,00		
Count per mm ²	25,48	37,91	123,04	574,83	761,26		

Approved By:

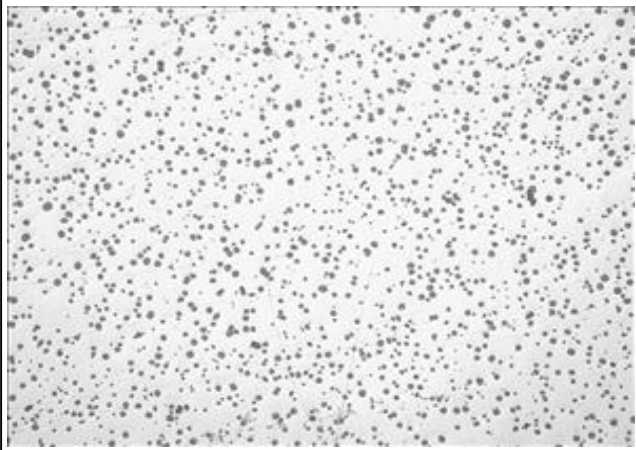




Leica Cast Iron Report - ISO 945-2

Specimen Identity	09112307
Material Type	DN 100
Customer	CONECTO Z.O.O
Nodules V&VI	min: %80
Nodule VI (C/mm2)	min: 400

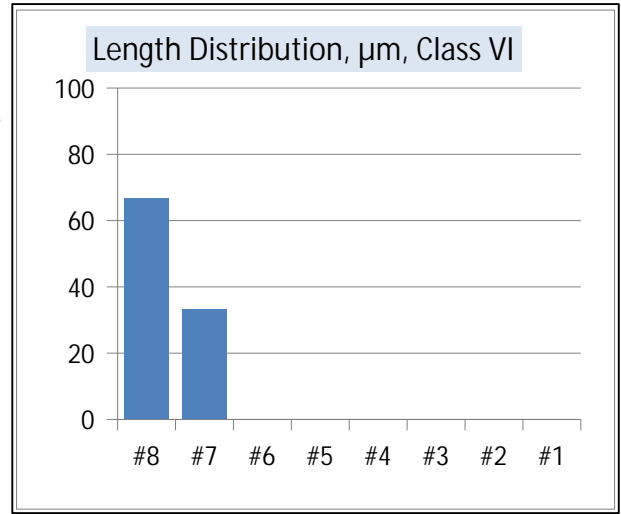
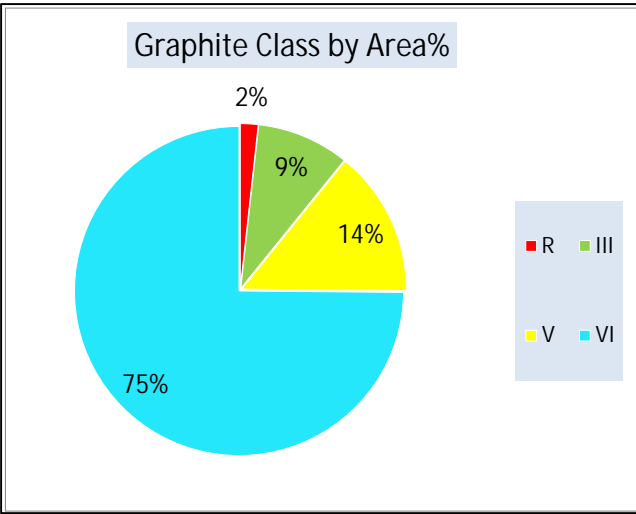
Preparation	
HBW EN6506-1 max: 230 HB	HB 158
Other factors	
Date	13,12,2023



#Graphite Images = 1



#Ferrite Images = 0



Adjusted results for Ferrite and Pearlite

Graphite%	0,00	Ferrite%	0,00	Pearlite%	0,00	F/P Ratio =	90,48
Graphite Nodule Results				Graphite Spec Area, mm ² =		1,61	
Class	R	III	V	VI	Total		
Area μm ²	1,7%	9,1%	14,3%	74,9%	191721		
Count	2,8%	6,8%	11,7%	78,8%	1450,00		
Count per mm ²	24,86	60,90	105,64	709,68	901,08		

Approved By:

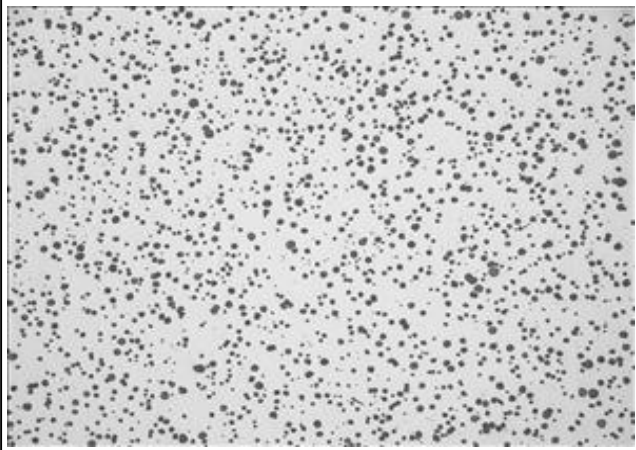




Leica Cast Iron Report - ISO 945-2

Specimen Identity	09112308
Material Type	DN 100
Customer	CONECTO Z.O.O
Nodules V&VI	min: %80
Nodule VI (C/mm2)	min: 400

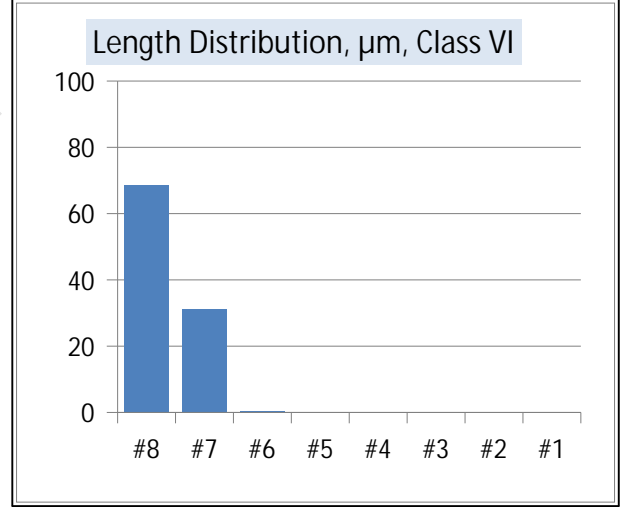
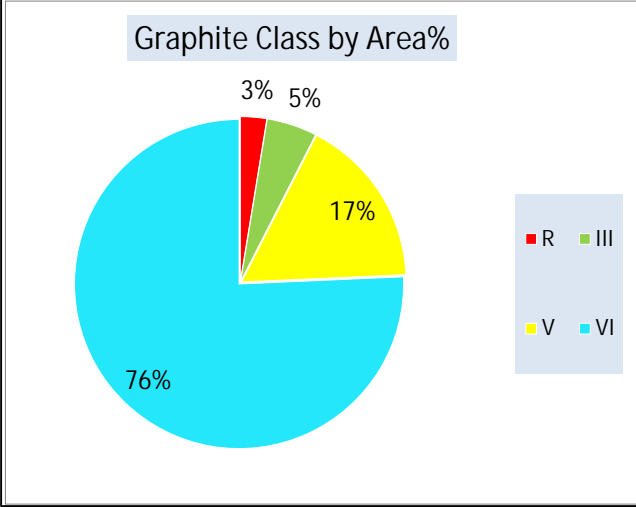
Preparation	
HBW EN6506-1 max: 230 HB	HB 163
Other factors	
Date	13,12,2023



#Graphite Images = 1



#Ferrite Images = 0



Adjusted results for Ferrite and Pearlite

Graphite%	0,00	Ferrite%	0,00	Pearlite%	0,00	F/P Ratio =	94,01
Graphite Nodule Results				Graphite Spec Area, mm ² =		1,61	
Class	R	III	V	VI	Total		
Area μm ²	2,6%	4,9%	16,8%	75,7%	182654		
Count	3,0%	3,0%	12,1%	81,9%	1303,00		
Count per mm ²	24,24	24,24	98,19	663,07	809,73		

Approved By:



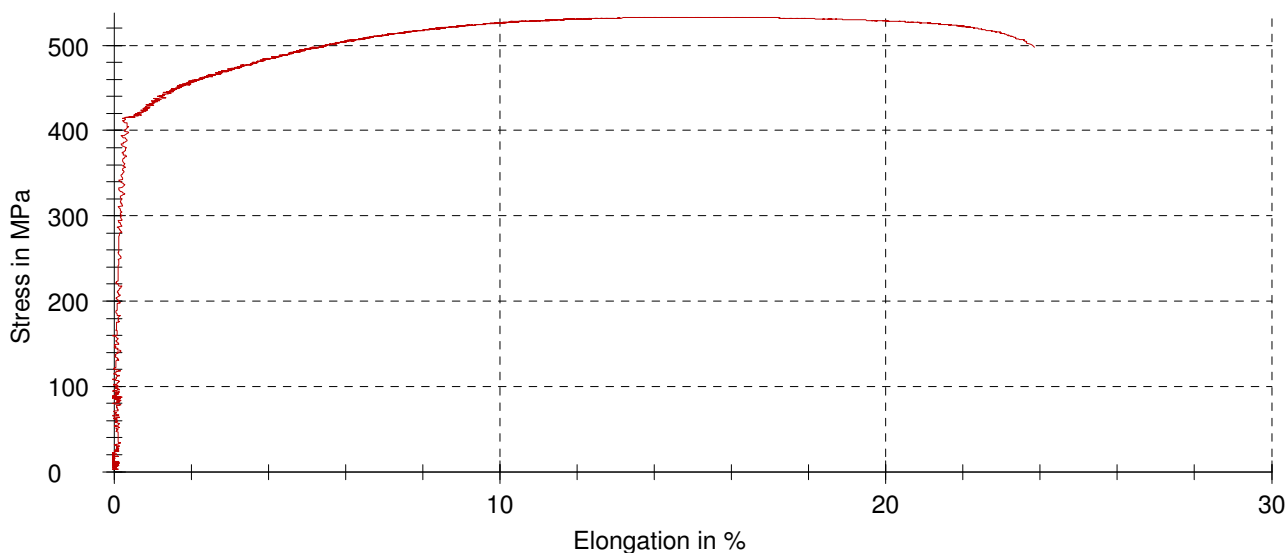
Test report

Customer : Conecto Profýles Sp Z O O Material : DN-200
 Job no. : 2882301 Tester : YAKUP BOZDEMIR
 Test standard : EN ISO 6892 1 Note : 3.1 EN 10204
 Pre-load : 4 MPa Speed, yield point : 40 MPa/s
 Speed, E-Modulus : 40 MPa/s Test speed : 0,008 1/s

Test results:

Nr	R _{p0.2} MPa	R _m MPa	F _m kN	R _B MPa	A %	L ₀ mm	d ₀ mm	S ₀ mm ²
1	438	533	5,13	498	22,6	17,07	3,5	9,62

Series graph:



Statistics:

Series	R _{p0.2} MPa	R _m MPa	F _m kN	R _B MPa	A %	L ₀ mm	d ₀ mm	S ₀ mm ²
n = 1								
\bar{x}	438	533	5,13	498	22,6	17,07	3,5	9,62
s	-	-	-	-	-	-	-	-
v	-	-	-	-	-	-	-	-



Test report

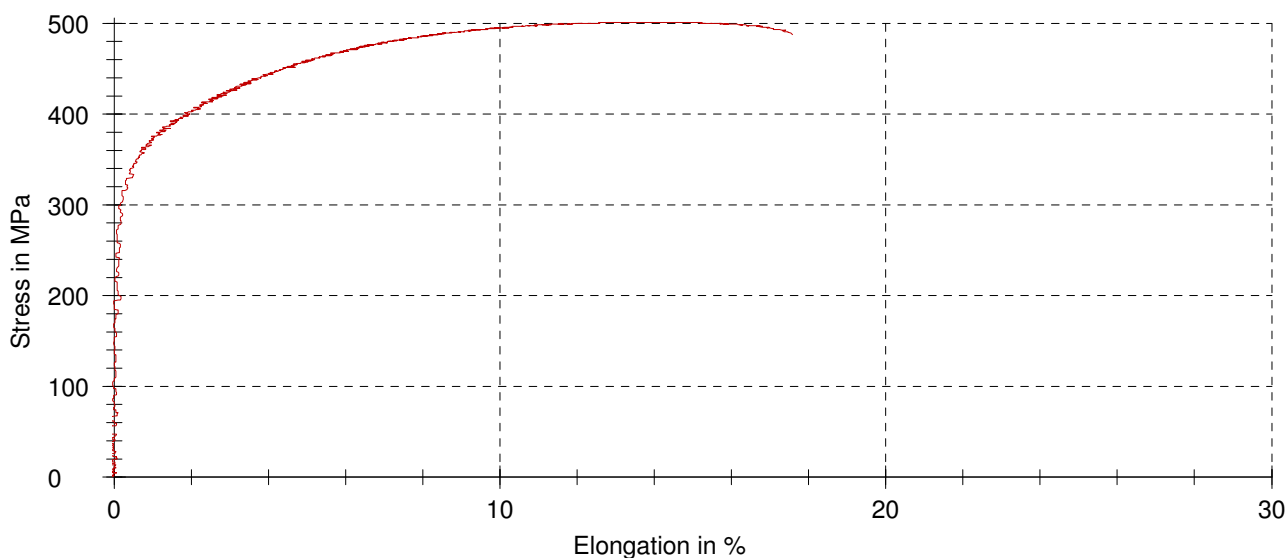
Customer : Conecto Profýles Sp Z O O Material : DN 100
 Job no. : 09112306 Tester : ORHAN OKUR
 Test standard : EN ISO 6892-1 Note : 3,1 EN 10204

Pre-load : 4 MPa Speed, yield point : 40 MPa/s
 Speed, E-Modulus : 40 MPa/s Test speed : 0,008 1/s

Test results:

Nr	R _{p0.2} MPa	R _m MPa	F _m kN	R _B MPa	A %	L ₀ mm	d ₀ mm	S ₀ mm ²
1	346	501	4,82	487	16,9	16,72	3,5	9,62

Series graph:



Statistics:

Series	R _{p0.2} MPa	R _m MPa	F _m kN	R _B MPa	A %	L ₀ mm	d ₀ mm	S ₀ mm ²
n = 1								
\bar{x}	346	501	4,82	487	16,9	16,72	3,5	9,62
s	-	-	-	-	-	-	-	-
v	-	-	-	-	-	-	-	-

