




Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3		<input type="checkbox"/> EN 764-4		<input type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)				
Manufacturer				Work				Nationality	Date	Page No..		
Company Name: FZC "11 Oktomvri" AD Location: 11 Noemvri 87A, 1300 Kumanovo, North Macedonia				FZC "11 Oktomvri" AD 11 Noemvri 87A, 1300 Kumanovo, Macedonia				MK	14.2.2020	1	TÜV Rheinland Industrie Service GmbH	
Rev.:02				of : 3								
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max	Technical Specifications		Remarks 
										Requirements		
										Technical Regulations		
					Thick- ness mm	Ø mm			1=t / 2=kg			
					from	Up to	from	Up to	↓	res ult		
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
<b>1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU</b>												
The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.												
1	P195TR2	EN 10217-1	NW, NP	Pipe	3	16	48.3	610			PED 2014/68/EU	1. For fine grain steel grades listed in a relevant VdTÜV WB the semi finished product has to be produced by suppliers, which are listed in the relevant VdTÜV WB
2	P195TR2, P235TR2, P265TR2 P195GH, P2235GH, P265GH P275NL1/NL2, P 355N/NH P215NL, P265NL	EN 10217-1 EN 10217-2 EN 10217-3 EN 10217-4	NW, NP	Pipe	3	16	48.3	610			PED 2014/68/EU AD2000 – W4	
<b>Remarks</b>		+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed				+NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved				a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary NW = Normalised weld zone NP = Full pipe normalised		

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Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max	Technical Specifications		Remarks 
					Thick- ness mm				Ø mm	Requirements		
					from	Up to	from	Up to	1=t / 2=kg ↓	Technical Regulations		
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
<b>2. Materials according to the AD 2000-Code</b>												
The use of the materials according to DGR 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.												
2	P195TR2, P235TR2, P265TR2 P195GH, P235GH, P265GH P275NL1/NL2, P355N/NH P215NL, P265NL	EN 10217-1 EN 10217-2 EN 10217-3 EN 10217-4	NW, NP	Pipe	3	16	48.3	610			PED 2014/68/EU AD2000 – W4	2. For fine grain steel grades listed in a relevant VdTÜV WB the semi finished product has to be produced by suppliers, which are listed in the relevant VdTÜV WB
<b>Remarks</b>		+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed +NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary NW = Normalised weld zone NP = Full pipe normalised										

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								Rev.:02	of : 3			
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max  1=t / 2=kg ↓ res ult	Technical Specifications  Requirements  Technical Regulations	Remarks  	
					Thick-ness mm		Ø mm					
					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
<b>3. Materials according to international standards ( e. g. ASTM, ASME, IBR etc. )</b>												
The use of the materials according to DGR 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.												
3	L245NB; L290NB, L360NB	EN 10208-2:2009	NW, NP	Pipe	3	16	48.3	610			PED 2014/68/EU	a
4	L245MB; L290MB, L360MB	EN 10208-2:2009	M	Pipe	3	16	48.3	610			PED 2014/68/EU	a
5	L245N or BN L290N or X42N L320N or X46N L360N or X52N L390N or X56N L415N or X60N L360NE or X52NE	EN ISO 3183	NW, NP	Pipe	3	16	48.3	610			PED 2014/68/EU	a
6	L245M or BM L290M or X42M L320M or X46M L360M or X52M L390M or X56M L415M or X60M L415ME or X60ME	EN ISO 3183	M	Pipe	3	16	48.3	610			PED 2014/68/EU	a
<b>Results</b>		+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed				+NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved				a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary NW = Normalised weld zone NP = Full pipe normalised		