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Pipe Specification API 5L

Specification	API 5L NPS 1	/8 26					
Scope	API 5L NPS 1/8 26 Covers WELDED and SEAMLESS pipe suitable for use in conveying gas, water, and oil in both the oil and natural gas industries.						
Scope Kinds of Steel Permitted				n use in conv	cynny yas, water, and	on in bour the oil an	น แลเนเลเ yas แนนรแเชร.
For Pipe Material	Open-hearth Basic-oxygen Electric-furnace						
Hot-Dipped	May be ordered galvanized.						
Galvanizing	way be ordered galvar	11260.					
Permissible Variations				Grad	e A, B, A25	X42 through X	280
in Wall Thickness	NPS 2 1/2 and smaller Seamless and welded, %				0 12.5	+15 12.5	
	NPS 2 1/2 and smaller Seamless and welded, %				3 12.5	+15 12.5	
	NPS 4 through 18 Seamless and welded, %				5 12.5	+15 12.5	
	NPS 20 and larger Welded, %				7.5 10.0	+19.5 8.0	
	NPS 20 and larger Seamless, %				5.0 12.5	+17.5 10.0	
Chemical	C max % Mn max % P max % S max %						
Requirements	Seamless or ERW						
rioquitorito	Grade A	0.25	0.95 (0.05 0.00	3		
	Grade B			0.05 0.00			
	Continuous-weld	-		.08 0.06			
Tensile		nd tensile strengt	-			renath for X80	
Requirements	Lists minimum yield and tensile strength for all grads as well as a maximum tensile strength for X80. Maximum yield-to-tensile ratios outlined for cold-expanded pipemay be waived when a fracture toughness requirement is specified.						
Hydrostatic	Lists hydrostatic inspection test pressures Test Pressures are held for not less than:						
Testing	for all sizes and grades covered by the				Seamless (all sizes) 5 seconds		
looting	specification.				Welded (NPS 18 and smaller) 5 seconds		
	(NPS 20 and larger) 10 seconds						
Permissible Variations	For each length of Sta	of Standard Weight, Regular Weight,			For Special Plain End Not more than plus 10% minus 5%.		
in Weights per Foot	Extra Strong, and Dou	-	-	-			
in theighte per l'eet	plus 10% minus 3.5%	-			For Carload Lots N	Not more than minu	s 1 75%
Permissible Variations	Outside Diameter	•			Sizes	Over	Under
in Outside Diameter	at any point shall not	varv from standa	rd specified	l more than [.] -			
					NPS 1 1/2 and sm	aller 1/64"	1/32"
					NPS 2 through 4	1%	1% (Buttweld Only)
					NPS 2 through 18		.75%
					NPS 20 through 2		
					Non-expanded		1%
Mechanical Tests	Tensile Test					old) 2" and smalle	
Specified	Seamless and Buttwe	lded All Sizes -	- Longitudir	nal Specimen		Degree of Bend	
	Electric Weld NPS 6 and smaller Longitudinal				For all API Use	s 90	12 x OD of pipe
	NPS 8 and Larger Transverse						
Number of	On One Length						
Tests Required	NPS	5	From E	Each Lot of	Flat	ttening	
-	Tensile 5 and sm	aller	40 o	r less	Non-Expanded Elect	tric-Weld for single I	engths crop ends from each
	6 throug	h 12	200	or less	length. For multiple le	engths, crop ends fi	rom each length, plus 2
				or less	intermediate rings.	0	0
	2 and sr	naller (Buttweld)	25 te	ons or less	-		
	Bending 1 1/2 and	d smaller (Buttwe	eld) 50 to	ons or less			
Lengths					Minimum		
-		Shortest	Sh	ortest	Average		
		Length	Leng	th in 95%	Length		
	Threaded &	In Entire	-	Entire	of Entire		
	Coupled Pipe	Shipment	Ship	oment	Shipment		
	Single Random	16' 0"		18' 0"			
	Double Random	22' 0"			35' 0"		
Required Markings	Paint Stenciled or Die Stamped (by agreement).						
on Each Length	Manufacturer's name or mark. Spec 5L, size, weight per foot, grade, process of manufacture, type of steel, length (NPS 4						
(On Tags attached to	and larger only). Test pressure when higher than labulated (NPS 2 and larger only).						
each Bundle in case	Heat treat symbols, as applicable HN, HS, HA or HQ.						
of Bundled Pipe)			,,				
General	Supplementary Reg	uirements avail	able when	specified. S	R5Charpv impact Te	estingWelded Pipe	20" & largerGrade X52 or higher.
Information	SR3 Color Identification. SR6 Drop Weight Tear TestingWelded Pipe 20" & largerGrade X52 or higher.						
	SR4 Nondestructive Inspection of Seamless Pipe. SR8 Fracture Tough ness Testing of Line Pipe.						
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