

**API 5L PSL 2 Pipe Mechanical Properties**  
**Tensile Strength, Yield Strength, Elongation**

Pipe grade	Pipe body of seamless and welded pipes						Weld seam of HPFW, SAW and CDW pipes
	Yield strength <sup>a</sup>		Tensile strength <sup>a</sup>		Ratio <sup>a,c</sup>	Elongation (on 50 mm or 2 in)	Tensile strength <sup>d</sup>
	R <sub>0.2</sub>		R <sub>m</sub>		R <sub>0.2</sub> /R <sub>m</sub>	A <sub>g</sub>	R <sub>m</sub>
	MPa (psi)		MPa (psi)		maximum	%	MPa (psi) minimum
	minimum	maximum	minimum	maximum	maximum	minimum	
L245R or BR L245N or BN L245Q or BQ L245M or BM	245 (35 500)	450 e (65 300) e	415 (60 200)	655 (95 000)	0.93	f	415 (60 200)
L290R or X42R L290N or X42N L290Q or X42Q L290M or X42M	290 (42 100)	495 (71 800)	415 (60 200)	655(95 000)	0.93	f	415 (60 200)
L320N or X46N L320Q or X46Q L320M or X46M	320 (46 400)	525 (76 100)	435 (63 100)	655 (95 000)	0.93	f	435 (63 100)
L360N or X52N L360Q or X52Q L360M or X52M	360 (52 200)	530 (76 900)	460 (66 700)	760 (110 200)	0.93	f	460 (66 700)
L390N or X56N L390Q or X56Q L390M or X56M	390 (56 600)	545 (79 000)	490 (71 100)	760 (110 200)	0.93	f	490 (71 100)
L415N or X60N L415Q or X60Q L415M or X60M	415 (60 200)	565 (81 900)	520 (75 400)	760 (110 200)	0.93	f	520 (75 400)
L450Q or X65Q L450M or X65M	450 (65 300)	600 (87 000)	535 (77 600)	760 (110 200)	0.93	f	535 (77 600)
L485Q or X70Q L485M or X70M	485 (70 300)	635 (92 100)	570 (82 700)	760 (110 200)	0.93	f	570 (82 700)
L555Q or X80Q L555M or X80M	555 (80 500)	705 (102 300)	625 (90 600)	825 (119 700)	0.93	f	625 (90 600)
L625M or X90M	625 (90 600)	775 (112 400)	695 (100 800)	915 (132 700)	0.95	f	695 (100 800)
L625Q or X90Q	625 (90 600)	775 (112 400)	695 (100 800)	915 (132 700)	0.97 <sup>e</sup>	f	695 (100 800)
L690M or X100M	690 <sup>b</sup> (100 100) <sup>b</sup>	840 <sup>b</sup> (121 800) <sup>b</sup>	760 (110 200)	990 (143 600)	0.97 <sup>b</sup>	f	760 (110 200)
L690Q or X100Q	690 <sup>b</sup> (100 100) <sup>b</sup>	840 <sup>b</sup> (121 800) <sup>b</sup>	760 (110 200)	990 (143 600)	0.97 <sup>b</sup>	f	760 (110 200)
L830M or X120M	830 <sup>b</sup> (120 400) <sup>b</sup>	1050 <sup>b</sup> (152 300) <sup>b</sup>	915 (132 700)	1 145 (166 100)	0.99 <sup>b</sup>	f	915 (132 700)

# Api 5l 45th Edition

**Ying-Ying Zheng**



**Api 5l 45th Edition:**

## **Api 5l 45th Edition** Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Api 5l 45th Edition**," compiled by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we will delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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