



## Summary

### API 5L

Description: API Specification for Line Pipe, welded and seamless Pipe.

General Information:

	Grade B	Grade X-42	Grade X-52	& More.....
<b>Chemical Properties (**) ( Max. ) %:</b>				
Carbon	0,26	0,26	0,26	
Manganese	1,2	1,3	1,4	
Phosphorus	0,03	0,03	0,3	
Sulfur	0,03	0,03	0,03	
Titanium	0,04	0,04	0,04	
<b>Mechanical Properties (*) ( Min. )</b>				
Yield ( PSI / MPA )	35,000 / 241	42,000 / 290	52,000 / 359	
Tensile ( PSI / MPA )	60,000 / 414	60,000 / 414	66,000 / 455	
Elongation ( % ) to 2 sq. In	24	25	24	
<b>Permissible Variations</b>				
Mass	(+ 10% - 3.5 %)	(+ 10% - 3.5 %)	(+ 10% - 3.5 %)	
Thickness For Diameter >2 7/8 to <20 in.	(+ 15% - 12.5 %)	(+ 15% - 12.5 %)	(+ 15% - 12.5 %)	
Thickness for Welded >20 inches Diameter	(+ 17.5% - 12.5 %)	(+ 19.5% - 12.5 %)	(+ 19.5% - 12.5 %)	
Thickness for seamless >20 inches Diameter	(+ 15% - 12.5 %)	(+ 17.5% - 12.5 %)	(+ 17.5% - 12.5 %)	
Diameter	( +/- ) 1%	( +/- ) 1%	( +/- ) 1%	

More Information see API Manual

(\*) Values for PSL1

(\*\*) Values can be change depending Welded or Seamless pipe process

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