

Alleima® 4L7

Tube and pipe, seamless

Datasheet

Alleima® 4L7 is a carbon steel used for composite tubes.

Standards

- ASTM: Grade A-1
- EN Number: 1.0425
- EN Name: P265GH
- W.Nr.: 1.0405
- DIN: St 45.8
- SS: 1435

Product standards

- ASTM A210
- EN 10216-2
- DIN 17175 (withdrawn)
- SS 14 1435 (withdrawn)

Chemical composition (nominal)

Chemical composition (nominal) %

C	Si	Mn	P	S
≤0.20	0.3	0.7	≤0.025	≤0.020

4L7 is a component in composite tube.

Physical properties

Thermal conductivity

Temperature, °C	W/m °C	Temperature, °F	Btu/ft h °F
20	46	68	26.5
100	48	200	27.5
300	46	600	26.5

500	42	900	24.5
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Thermal expansion, mean values in temperature range (x10⁻⁶)

Temperature, °C	Per °C	Temperature, °F	Per °F
30-100	12.3	86-200	6.8
30-200	12.8	86-400	7.1
30-300	13.5	86-600	7.5
30-400	14.0	86-800	7.8
30-500	14.3	86-1000	8.0

Disclaimer:

Recommendations are for guidance only, and the suitability of a material for a specific application can be confirmed only when we know the actual service conditions. Continuous development may necessitate changes in technical data without notice. This datasheet is only valid for Alleima materials.