

SCANPAC 316 L

GENERAL: Scanpac 316 L is a molybdenum-containing austenitic stainless steel intended to applications, where corrosion is a general problem. The addition of molybdenum provides improved resistance to pitting and crevice corrosion in environments containing chlorides or other halides.

Analysis: (typical values)

C 0,02 %; Cr 17,2 %; Ni 10,1 %; Mo 2,1 %;

Mechanical properties: Scanpac 316 L has excellent mechanical properties both at room temperature and low and high temperatures.

Min. values acc. to EN 1.4404 where applicable

Elongation	Proof strength		Tensile strength	
	Impact values			
KV	Rp0.2	Rp1.0	Rm	A5
J	MPa	MPa	MPa	%
100/ 60(transverse)	200	250	500	40

Typical values for fully dense Scanpac products

150	250	310	600	55
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Corrosion: Scanpac 316 L exhibits excellent corrosion resistance and has a significant better pitting corrosion resistance compared to standard Cr-Ni stainless steel grades. Due to the fine microstructure of the Scanpac powders, the smaller sulphides gives an even better corrosion resistance than standard production

Due to the low carbon content, the risk for intergranular corrosion is minimized.

Different corrosion tests can be done on request. _

Applications: Scanpac 316 L is used in applications for handling of a wide range of chemicals used by process industries e.g. pulp and paper, textile, food and beverages, pharmaceutical, medical and in the manufacture of other chemical processing equipments.