

Viscosity (dynamic) conversion chart

Pa·s, cP, poise. Factors are given to 7 significant figures; open the converter for full precision and the worked solution.

Conversion factors to pascal seconds (Pa·s)		
UNIT	IN PA·S	1 PA·S IN UNIT
pascal second (Pa·s)	1 Pa·s	1 Pa·s
millipascal second (mPa·s)	0.001 Pa·s	1,000 mPa·s
poise (P)	0.1 Pa·s	10 P
centipoise (cP)	0.001 Pa·s	1,000 cP
pound-force second per square foot (lbf·s/ft²)	47.88026 Pa·s	0.02088543 lbf·s/ft²
pound per foot second (lb/(ft·s))	1.488164 Pa·s	0.671969 lb/(ft·s)
reyn (reyn)	6,894.757 Pa·s	0.0001450377 reyn

cP → Pa·s	
CP	PA·S
0.1 cP	0.0001 Pa·s
0.5 cP	0.0005 Pa·s
1 cP	0.001 Pa·s
2 cP	0.002 Pa·s
5 cP	0.005 Pa·s
10 cP	0.01 Pa·s
20 cP	0.02 Pa·s
25 cP	0.025 Pa·s
50 cP	0.05 Pa·s
100 cP	0.1 Pa·s
250 cP	0.25 Pa·s
500 cP	0.5 Pa·s
1,000 cP	1 Pa·s

Pa·s → cP	
PA·S	CP
0.1 Pa·s	100 cP
0.5 Pa·s	500 cP
1 Pa·s	1,000 cP
2 Pa·s	2,000 cP
5 Pa·s	5,000 cP
10 Pa·s	10,000 cP
20 Pa·s	20,000 cP
25 Pa·s	25,000 cP
50 Pa·s	50,000 cP
100 Pa·s	100,000 cP
250 Pa·s	250,000 cP
500 Pa·s	500,000 cP
1,000 Pa·s	1,000,000 cP

Formula: $\text{Pa·s} = \text{cP} \times 0.001$