



Flow Cup Viscosity Standards

Certified Values 20°C

Product Code	Kinematic Viscosity mm ² /s (cSt)	Dynamic Viscosity mPa·s (cP)	Density (g/mL)	DIN CUP		FORD CUP		ISO CUP		SHELL CUP		ZAHN CUP	
				Size	Drain Time(s)	Size	Drain Time(s)	Size	Drain Time(s)	Size	Drain Time(s)	Size	Drain Time(s)
C6	10.40	8.600	0.8272			1	56.2	3	36	1 2	59 23	1	38.4
C10	20.90	17.80	0.8516			1	77.7	3	55.4	2 2.5	41.3 25.6	1	48
C20	42.60	36.30	0.8508			2	47.6	3 4	100.7 35.2	3 3.5	30.2 21.1	1 2	67.7 26.2
C35	78.60	67.50	0.8587			2 3	72.6 40.6	4	59.8	2.5 3 3.5 4	88 54.1 37.7 23.8	2	36.5
C60	160.1	138.3	0.8641	4mm	37.7	2 3 4	129.2 75.9 46.1	4 5	118.1 50.1	3.5 4 5	75.3 47.4 25.6	2 3	59.7 21.2
C100	327.3	283.5	0.8861	4mm	73	3 4	89.5 29	5 6	100.5 49.1	4 5 6	95.9 51.4 20.7	2 3 4	107.5 35.5 27.7
C200	643.4	559.9	0.8702	4mm	141.5	5	55.2	6	94.1	5 6	100 40.2	3 4 5	62.5 48.5 28
C350	1235	1078	0.8727			5	104.1			6	76.7	4 5	88.4 53.7
C600	2134	1870	0.8761									5	92.8

All values stated are nominal - 08/12/2008



Certified Values 25°C

Product Code	Kinematic Viscosity mm ² /s (cSt)	Dynamic Viscosity mPa-s (cP)	Density (g/mL)	DIN CUP		FORD CUP		ISO CUP		SHELL CUP		ZAHN CUP	
				Size	Drain Time(s)	Size	Drain Time(s)	Size	Drain Time(s)	Size	Drain Time(s)	Size	Drain Time(s)
C6	8.800	7.200	0.8238			1	52.9	3	33.4	1 2	51.9 20.3	1	37
C10	17.00	14.40	0.8484			1	69.7	3	47.8	2 2.5	34.5 21.4	1	44.5
C20	33.50	28.40	0.8474			2	41.3	3 4	81.3 29.4	3 3.5	24.2 17	1 2	59.5 23.6
C35	60.10	51.40	0.8555			2 3	59.7 32.6	4	47	2.5 3 3.5 4	68 41.8 29.2 18.4	2	31.2
C60	118.3	101.9	0.8610	4mm	29.3	2 3 4	100.2 57.8 35.2	4 5	88 37.8	3.5 4 5	56 35.3 19.2	2 3	47.8 17.6
C100	236.4	204.0	0.8630	4mm	53.6	4 5	65.9 21.5	5 6	73 36.5	4 5 6	69.5 37.4 15.1	2 3 4	81.5 27.7 21
C200	452.2	392.1	0.8671	4mm	99.9	5	39.4	6	66.8	5 6	70.6 28.4	3 4 5	46.1 35.6 19.7
C350	851.2	740.3	0.8697			5	72.3			6	53	4 5	62.5 37
C600	1449	1265	0.8732									5	63

All values stated are nominal - 08/12/2008