

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	10.43	8.579	0.8225			1	56.3	3	36.1	1 2	59.2 23.1	1	38.5
C10	20.55	17.27	0.8403			1	76.9	3	54.6	2 2.5	40.7 25.2	1	47.7
C20	41.92	35.55	0.8480			2	47.1	3 4	99.2 34.8	2.5 3 3.5	48.3 29.8 20.8	1 2	67.1 26
C35	84.94	72.59	0.8546			2 3	77 43.4	4	64.3	2.5 3 3.5 4	94.8 58.3 40.6 25.6	2	38.3
C60	157.5	135.6	0.8610	4mm	37.1	2 3 4	127.4 74.8 45.4	4 5	116.2 49.4	3.5 4 5	74.1 46.7 25.2	2 3	59 21
C100	324.1	280.3	0.8649	4mm	72.3	4 5	88.7 28.8	5 6	99.5 48.7	4 5 6	94.9 50.9 20.5	2 3 4	106.6 35.2 26.9
C200	630.0	546.2	0.8670	4mm	138.6	5	54.1	6	92.2	5 6	97.9 39.4	3 4 5	61.3 47.6 27.4
C350	1189	1038	0.8726			5	100.3			6	73.9	4 5	85.3 51.7
C600	2141	1875	0.8758									5	93.1

All values stated are nominal - 28/08/2011

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	8.838	7.239	0.8191			1	53	3	33.4	1 2	52.1 20.3	1	37
C10	16.80	14.06	0.0837			1	69.3	3	47.4	2 2.5	34.2 21.2	1	44.3
C20	33.07	27.94	0.8448			2	41	3 4	80.3 29.1	2.5 3 3.5	38.8 23.9 16.7	1 2	59.1 23.4
C35	72.59	55.19	0.8514			2 3	63 34.6	4	50.2	2.5 3 3.5 4	73.1 44.9 31.4 19.8	2	32.5
C60	117.0	100.4	0.8579	4mm	29	2 3 4	99.3 57.2 34.9	4 5	87.1 37.5	3.5 4 5	55.4 34.9 19	2 3	47.4 17.5
C100	234.3	201.9	0.8618	4mm	53.1	4 5	65.3 21.4	5 6	72.4 36.2	4 5 6	68.9 37 15	2 3 4	80.9 27.5 20.8
C200	446.3	385.6	0.8639	4mm	98.7	5	38.9	6	65.9	5 6	69.7 28	3 4 5	45.6 35.2 19.4
C350	822.0	714.8	0.8696			5	69.9			6	51.2	4 5	60.5 35.7
C600	1456	1271	0.8728									5	63.3

All values stated are nominal - 28/08/2011