
	ALLOYS & BLENDS SYNONATE(PC/ABS)												
	STANDARD ASTM	Unit	CA4601/ CA4701	M810 CB4701 /M800 I	CA1706 FR GF 30	CA4706 GF 30	CB1702 FR VO GF 10	CA1701 FR VO	CA2701 FR V1	CB2601 FR V1	CA4702 GF10	CB3701 FR V2	CB1701 FRVO
Flow													
Melt Flow Index @ 260C & 2.16 Kg load	D1238	gms/10 min	4 - 7	4 - 7	12 - 17	10 -15	9 - 12	4 - 8	4 - 6	3 - 8	7 - 12	20 - 25	4 - 8
Mechanical													
Tensile Strength @ Yield 50 mm/min	D638	MPa	44 - 49	44-49	60 - 80	65 - 85	55 -60	43-49	45 -50	42 - 55	55 -68	50 - 54	43-49
Tensile Elongation @ Yield	D638	%	7 - 11	7 - 11	5 - 10	3 - 8	6 - 9	7 - 11	6 - 9	9 - 13	6 - 10	8 - 10	7 - 11
Flexural Strength 5 mm/min	D790	MPa	70 - 90	70 - 90	90 - 120	95-125	83 - 87	60 -75	60 -70	65-90	86- 100	--	--
Flexural Modulus	D790	MPa	2200 -3200	2200 -3200	6000-7500	6500-8500	4100 - 4600	2100 - 3200	2100 - 3200	2200 - 3200	4100-5200	--	--
Izod Notched Impact Strength	D256	J/m	500-700**	450 - 600	60 - 80	70 - 90	125- 150	450-550	350-650	400- 700	120-150	228 - 238	700-850**
Thermal													
Heat Deflection Temperature Under Load (B)1.82MPa	D 648	C	95-105	95 - 105	120 -150	120 -150	130- 136	105-115	95 - 110	100- 105	130- 142	112 - 118	105-115
Vicat Softening Temperature (B)	D 1525	C	130 - 135	130 - 135	-	-	154- 160	120-140	120-140	130- 135	-	--	--
Others													
Density	D 792	gms/cc	1.10-1.14	1.10-1.14	1.39-1.45	1.39-1.42	1.15-1.22	1.15-1.17	1.15-1.24	1.10-1.14	1.15-1.22	1.11 - 1.14	1.15-1.17
Flammability Test @ 3mm thickness	UL 94		-----	----	V0	-	V0	V0	V1	V1	-	V2	V0
Filler Content	D 5630	%	-	-	28 - 32	28 - 32	9 -11	-		-	8 - 12	-	--


* Typical values represent an average for the samples tested using standard procedures.

**Impact Strength @ 3.2 mm thickness, all other properties @ 6.4mm thickness

The data indicated are intended as guides and do not reflect product specifications for any particular property

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		ALLOYS & BLENDS SYNONATE(PC/ABS)											
Properties	STANDARD ASTM	Unit	CC1701 Hi-Flow FR V0	CA4704 GF 20	CF4601 (M.Flow)								
Flow													
Melt Flow Index @ 260C & 2.16 Kg load	D1238	gms/10 min	15-20	6-10 (260&5 Kg)	8-10								
Mechanical													
Tensile Strength @ Yield 50 mm/min	D638	MPa	57-65	55-65	50-55								
Tensile Elongation @ Yield	D638	%	7 – 10	5-9	7-11								
Flexural Strength 5 mm/min	D790	MPa	--	-	60-70								
Flexural Modulus	D790	MPa	70-100	-									
Izod Notched Impact Strength	D256	J/m	250-350**	90-110**	400-500**								
Thermal													
Heat Deflection Temperature Under Load (B)1.82MPa	D 648	C	90-100	-									
Vicat Softening Temperature (B)	D 1525	C	--	-									
Others													
Density	D 792	gms/cc	1.12 – 1.16	1.26-1.30	1.12-1.19								
Flammability Test @ 3mm thickness	UL 94		V0	-									
Filler Content	D 5630	%	NA	19 – 21									

* Typical values represent an average for the samples tested using standard procedures.

**Impact Strength @ 3.2 mm thickness, all other properties @ 6.4mm thickness

The data indicated are intended as guides and do not reflect product specifications for any particular property

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