



BLENDS & ALLOYS

SYNONATE(Modified PC/ABS)

Properties	STAND ARD ASTM	Unit	M800 CA4701	M810 CB4701 / M800 I	M850 DA4701	DA1701 FR VO	CA1706 FR GF 30	CA4706 GF 30	DB 4601	M840 DB3601 FR	CB1702 FR GF 10	CA1701 FR	CA4702 GF10
Flow Melt Flow Index @ 260°C & 2.16 Kg load	D1238	gms/ 10 min	5 - 10	6 - 12	6 - 14	8-15	12 - 17	10 - 15	15-22 (220°C & 10 Kg)	12 - 20	9 - 12	4 - 9	7 - 12
Mechanical Tensile Strength @ Yield 50 mm/min	D638	MPa	45 - 58	42 - 55	40 - 55	38-54	60 - 80	65 - 85	40-48	40 - 45	55 -60	45 -55	55 -68
Tensile Elongation @ Yield	D638	%	10 - 14	9 - 13	7 - 13	7-13	5 - 10	3 - 8	4-9	9- 12	6 - 9	9 -15	6 - 10
Flexural Strength 5 mm/min	D790	MPa	78 - 94	70 - 90	68 - 80	68-80	90 - 120	95 - 125	60-70	70 - 85	83 - 87	60 -75	86 - 100
Flexural Modulus	D790	MPa	2300- 2700	2200 - 3200	2000- 3000	2000- 3000	6000- 7500	6500- 8500	2200- 2800	2300- 3000	4100 - 4600	2100 - 3200	4100 - 5200
Izod Notched Impact Strength	D256	J/m	450 - 700	400 - 700	350 - 500	250-450	60 - 80	70 - 90	140-180	350- 500	125- 150	350-650	120- 150
Thermal Heat Deflection Temperature Under Load (B)1.82MPa	D 648	°C	110 - 116	100 - 105	90 - 100	90-105	120 - 150	120 -150	98-110	95 - 105	130- 136	90 - 110	130- 142
Vicat Softening Temperature (B)	D 1525	°C	130 - 140	130 - 135	110 - 118	110-125	-	-	120-130	130- 135	154- 160	120 - 40	-
Others Density	D 792	gms/cc	1.12- 1.15	1.10 -1.14	1.08- 1.12	1.08-1.20	1.39- 1.45	1.39-1.42	1.05-1.07	1.15-1.22	1.15-1.22	1.15-1.24	1.15-1.22
Flammability Test @ 3mm thickness	UL 94		-----	----	----	V0	V0	-	HB	V2	V0	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.

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

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