

	SYNONATE (Modified PC)														
Properties	STANDAR D ASTM	Unit	MA4601/ 4701 General (Coloured)	Speciality Grades											
				MA1601/M A1701 FR	MA1601 FR UV	MA1602/ 1702 FR GF10	MA1704 FR GF20	MA4704 GF20	MA4706 GF30						
Flow															
Melt Flow Index @ 300C & 1.2 Kg load	D1238	gms/10 min	10-15	10-16	10-16	15 - 20	16-22	12-18	16 - 30						
Mechanical															
Tensile Strength @ Yield 50 mm/min	D638	MPa	54 - 64	50 - 65	54 - 64	60 - 72	64-75	60-70	75 - 120						
Tensile Elongation @ Yield	D638	%	9-15	9-15	9-15	8-14	8-12	8-12	8-12						
Flexural Strength 5 mm/min	D790	MPa	80 - 94	80 - 90	80 - 98	95 - 105	100-110	100-110	128 - 150						
Flexural Modulus	D790	MPa	2200-3200	2200-3200	2000-3200	3000-4500	3200-5000	3500-5500	5700-7000						
Izod Notched Impact Strength	D256	J/m	800 - 1100**	700 - 900**	400 - 700	90 - 150	95-150	110-170	90 - 150						
Thermal															
Heat Deflection Temperature Under	D 648	C	128 - 134	120 - 134	128 - 134	132 - 138	135-140	135-140	138 - 145						
Vicat Softening Temperature (B)	D 1525	C	150 - 158	150 - 158	150 - 158	154 - 158	155-160	155-160	155 - 165						
Others Density	D 792	gms/cc	1.19 - 1.22	1.20 - 1.35	1.20 - 1.25	1.25- 1.32	1.27-1.36	1.25-1.35	1.34 - 1.40						
Flammability Test @ 3mm thickness	UL 94		V2	V0	V0	V0	V0	V2	V2						
Filler Content	D 5630	%	-	-	-	9-11	19 - 21	19 - 21	29 - 31						

* 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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