

Sheet1

Properties	STANDARD	Unit	BB4601/ BB4701 General (Coloured)	Speciality Grades						
				BA4601 Hi - Impact	BB4703 GF15	BB1601 FR UV	BB3701 FR V2	BB1701 FR V0	BC4601/ 4701 HR	BD4701 TR
Flow Melt Flow Index @ 220°C & 10 Kg load	D1238	gms/10 min	16 - 22	6 - 18	18 - 24	16 - 22	16 - 24	16-22	3-8	4-7
<b>Mechanical Tensile Strength @ Yield 50 mm/min</b>	D638	MPa	38 - 46	34 - 42	50 - 65	38 - 48	38 - 48	38-48	45-60	40-48
Tensile Elongation @ Yield	D638	%	07/12/09	07/12/09	07/12/09	07/12/09	07/12/09	07/12/09	10/16/09	04/09/09
Flexural Strength 5 mm/min	D790	MPa	62 - 74	58 - 68	80 - 94	62 - 78	62 - 78	62-78	65-80	55-61
Flexural Modulus	D790	MPa	2200 -3200	1900-2500	3500-4500	2200 - 3200	2200-3200	2200-3200	2400-2900	1950-2200
Izod Notched Impact Strength	D256	J/m	180 - 350	275 - 400	55 - 80	120 - 170	140 - 200	120-170	90-170	50-60
<b>Thermal Heat Deflection Temperature Under Load (B)1.82MPa</b>	D 648	°C	78 - 88	78 - 86	90 - 100	78 - 86	78 - 86	78-86	100-115	80-89
Vicat Softening Temperature (B)	D 1525	°C	102 - 110	102 - 110	108 - 115	102 - 110	102 - 110	102-110	110-130	88-96
<b>Others</b> Density	D 792	gms/cc	1.03 - 1.10	1.03- 1.10	1.12-1.15	1.12 - 1.22	1.07-1.17	1.12-1.22	1.03-1.06	1.07-1.09
Flammability Test @ 3mm thickness	UL 94		HB	HB	----	V0	V2	V0	HB	HB
Filler Content	D 5630	%	-	-	14 - 16	-	-	-	-	-