



SYNONATE (Modified PC)

Properties	STANDARD ASTM	Unit	MA4601/4701 General (Coloured)	Speciality Grades					
				MA1601/ MA 1701 FR	MA1602/ 1702 FR GF10	MA1704 FR GF20	MA4704 GF20	MA4706 GF30	MA1601 FR UV
Flow Melt Flow Index @ 300°C & 1.2 Kg load	D1238	gms/10 min	10 - 15	10 - 16	15 - 20	16-22	12-18	16 - 30	10 - 16
Mechanical Tensile Strength @ Yield 50 mm/min	D638	MPa	54 - 64	50 - 65	60 - 72	64-75	60-70	75 - 120	54 - 64
Tensile Elongation @ Yield	D638	%	9 - 15	9 - 15	8 - 14	8-12	8-12	8 - 12	9 - 15
Flexural Strength 5 mm/min	D790	MPa	80 - 94	80 - 90	95 - 105	100-110	100-110	128 - 150	80 - 98
Flexural Modulus	D790	MPa	2200 - 3200	2200 - 3200	3000-4500	3200-5000	3500-5500	5700-7000	2000-3200
Izod Notched Impact Strength	D256	J/m	700 - 1000	300 - 700	90 - 150	95-150	110-170	90 - 150	400 - 700
Thermal Heat Deflection Temperature Under Load (B)1.82MPa	D 648	°C	128 - 134	120 - 134	132 - 138	135-140	135-140	138 - 145	128 - 134
Vicat Softening Temperature (B)	D 1525	°C	150 - 158	150 - 158	154 - 158	155-160	155-160	155 - 165	150 - 158
Others Density	D 792	gms/cc	1.19 - 1.22	1.20 - 1.35	1.25- 1.32	1.27-1.36	1.25-1.35	1.34 - 1.40	1.20 - 1.25
Flammability Test @ 3mm thickness	UL 94		V2	V0	V0	V0	V2	V2	V0
Filler Content	D 5630	%	-	-	9 - 11	19 - 21	19 - 21	29 - 31	-

* 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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GUJARAT PETROSYNTHESE LIMITED

Polymer Alloys & Blends Division

No.24, II Main, Phase I, Doddanekkundi Indl. Area
Mahadevapura Post, Behind Graphite India Ltd., Bangalore-560048
Phone : 91-080-28524133 Fax : 91-080-28524171 E-mail : info@gpl.in

Agents: