



SYNOLATE(PBT)

Properties	STANDARD ASTM	Unit	QA4701 (General)	QA3701 (PBT FR)	QA1701 (PBT FR)	QA1706 (PBT FR GF30)	QA4706 (PBT GF30)						
Flow													
Melt Flow Index @ 250C & 2.16 Kg load	D1238	gms/10 min	----	-----	-----	----	--						
Mechanical													
Tensile Strength @ Yield 50 mm/min	D638	MPa	50 - 56	48 - 58	48 - 58	68-75	70-90						
Tensile Elongation @ Yield	D638	%	8 - 20	12 - 18	12 - 17	6 - 9	6 - 9						
Flexural Strength 5 mm/min	D790	MPa	80 - 90	86 - 94	80 - 94	110-120	110-135						
Flexural Modulus	D790	MPa	2200-2600	2600-3500	2500-3500	5000-8000	6000-8000						
Izod Notched Impact Strength	D256	J/m	55 - 65	50 - 70	40 - 60	50-65	50-60						
Thermal													
Heat Deflection Temperature Under Load (B)1.82MPa	D 648	C	56 - 62	56 - 65	55 - 65	180-190	190-210						
Vicat Softening Temperature (B)	D 1525	C	215 - 220	215 - 222	215 - 222	--	--						
Others													
Density	D 792	gms/cc	1.29 - 1.34	1.29-1.34	1.35-1.45	1.50 - 1.52	1.51 - 1.53						
Flammability Test @ 3mm thickness	UL 94		--	V2	V0	V0	-						
Filler Content	D 5630	%	-	-	-	29-31	28-32						

* 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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