



## SYNOLATE( Modified PBT)

Properties	STANDARD ASTM	Unit	QA4701 (General)	QA3701 (PBT FR)	QA1701 (PBT FR)	QA1706 (PBT FR GF30)	
<b>Flow</b> Melt Flow Index @ 260°C & 2.16 Kg load	D1238	gms/10 min	----	-----	-----	----	
<b>Mechanical</b> Tensile Strength @ Yield 50 mm/min	D638	MPa	50 - 56	48 - 58	48 - 58	68-75	
Tensile Elongation @ Yield	D638	%	8 - 20	12 - 18	12 - 17	6-9	
Flexural Strength 5 mm/min	D790	MPa	80 - 90	86 - 94	80 - 94	110-120	
Flexural Modulus	D790	MPa	2200 - 2600	2600 - 3500	2500 - 3500	5000-8000	
Izod Notched Impact Strength	D256	J/m	55 - 65	50 - 70	40 - 60	50-65	
<b>Thermal</b> Heat Deflection Temperature Under Load (B)1.82MPa	D 648	°C	56 - 62	56 - 65	55 - 65	180-190	
Vicat Softening Temperature (B)	D 1525	°C	215 - 220	215 - 222	215 - 222	--	
<b>Others</b> Density	D 792	gms/cc	1.29 - 1.34	1.29 - 1.34	1.35 - 1.45	1.50 - 1.52	
Flammability Test @ 3mm thickness	UL 94		--	V2	V0	V0	
Filler Content	D 5630	%	-	-	-	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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