



**PVC/ABS Alloy  
SYNOLAC (Modified PVC)**

Property	STANDAR D ASTM	Unit	HI M-40	Super HI M-200	HF M-300	Medium HF M-1400	AA1701 Super HF M-3000						
<b>Flow</b>													
Melt Flow Index @ 200 C & 10 Kg load	D1238	gms/10 min	0.2 - 0.5	2 - 2.5	3 - 5	12 - 20	24 - 30						
<b>Mechanical</b>													
Tensile Strength @ Yield 50 mm/min	D638	MPa	35- 45	30 - 40	45 -65	40 - 60	42 -48						
Tensile Elongation @ Yield	D638	%	8.5- 9.5	9-10.5	8.5 -10	9 -10.5	8 - 10						
Flexural Strength 5 mm/min	D790	MPa	55-60	40 - 50	50 -65	55 -70	52 - 55						
Izod Notched Impact Strength	D256	J/m	350 -600	700-1000	200 - 350	250 - 400	425 - 450						
<b>Thermal</b>													
Heat Deflection Temperature Under Load (B)1.82MPa	D 648	C	50 -70	50 -70	50 -70	50 -70	58 - 62						
Vicat Softening Temperature (B)	D 1525	C	70 -90	70 -90	70 -90	70 -90	80 - 84						
<b>Other</b>													
Density	D 792	gms/cc	1.20- 1.25	1.20- 1.25	1.20- 1.25	1.20- 1.25	1.24 - 1.25						
Mould Shrinkage	D 955	%	0.2-0.5	0.2-0.5	0.2-0.5	0.2-0.5	0.2 - 0.5						
Flammability Test @ 3mm thickness	UL 94		V0	V0	V0	V0	V0						
Filler Content	D 5630	%	-	-	-	-	-						

\* 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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