

	SYNOL(POM)												
Properties	STANDARD ASTM	Unit	IB4601/ IB4701 Medium Flow (General) (Homo Polymer)	IC4601/ IC4701 Low Flow (General) (Homo Polymer)	ID4601/ ID4701 Low+Mediu m Flow (General) (Homo Polymer)	IB4705 GF25 (Homo Polymer)	IB4706 GF 30 (Homo Polymer)	IE4601/ IE4701 Medium Impact with F10 (General) (Co- polymer)	IE4601/ IE4701 Medium Impact with F20 (General) (Co- polymer)	IF4601/ IF4701 (High Impact) (Co- polymer)	IG4701 (High Flow) (Co Polymer)		
Flow													
Melt Flow Index @ 190C & 2.16 Kg load	D1238	gms/10 min	16-22	3 - 5	3-8	8 - 16	6 - 10	2 - 6	8-13	2 - 3	25 - 30		
Mechanical													
Tensile Strength @ Yield 50 mm/min	D638	MPa	65-70	64 - 68	60 - 65	46 - 52	49-55	60 - 68	60 - 68	37 - 50	50-60		
Tensile Elongation @ Yield	D638	%	15-22	19 - 26	18 - 28	17 - 24	6 - 8	15 - 28	15 - 28	18 - 28	13 - 16		
Flexural Strength 5 mm/min	D790	MPa	86-100	75 - 90	60 - 75	65 - 75	--	60 - 75	60 - 75	40 - 48	55-65		
Flexural Modulus	D790	MPa	2400-3000	2300-2700	2250-2600	3400-4000	--	2300-2650	2300-2650	2100-2600	3000-4000		
Izod Notched Impact Strength	D256	J/m	80-100	95 - 140	140 - 150	82 -92	52-58	70 - 120	70 - 120	100 - 150	75 - 80		
Thermal													
Heat Deflection Temperature Under Load (B)1.82MPa	D 648	C	100-110	90 - 110	80 - 110	112 - 120	130-138	80 - 110	80 - 110	80 - 100	90-100		
Vicat Softening Temperature (B)	D 1525	C	--	160 - 180	160 - 180	165 - 175	--	160 - 180	160 - 180	157 - 161	--		
Others													
Density	D 792	gms/cc	1.39 - 1.42	1.40-1.42	1.39 - 140	1.40 - 1.42	1.49-1.53	1.40 - 142	1.40 - 142	1.32 - 1.40	1.40 - 1.42		
Flammability Test @ 3mm thickness	UL 94		----	--	---	----	----	---	---	--	--		
Filler Content	D 5630	%	-	--	-	24 -26	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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