
	<b>SYNOL(POM)</b>												
Properties	STANDAR D 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 (General) (Co- polymer)	IF4601/ IF4701 (High Impact) (Co- polymer)				
<b>Flow</b>													
Melt Flow Index @ 190C & 2.16 Kg load	D1238	gms/10 min	16-22	3 - 5	3 - 5	8 - 16	6 - 10	2 - 10	2 - 3				
<b>Mechanical</b>													
Tensile Strength @ Yield 50 mm/min	D638	MPa	65-70	64 - 68	60 - 65	46 - 52	49-55	60 - 68	37 - 50				
Tensile Elongation @ Yield	D638	%	15-22	19 - 26	18 - 28	17 - 24	6 - 8	15 - 28	18 - 28				
Flexural Strength 5 mm/min	D790	MPa	86-100	75 - 90	60 - 75	65 - 75	--	60 - 75	40 - 48				
Flexural Modulus	D790	MPa	2400-3000	2300-2700	2250-2600	3400-4000	--	2300-2650	2100-2600				
Izod Notched Impact Strength	D256	J/m	80-100	95 - 140	140 - 150	82 -92	52-58	70 - 120	100 - 150				
<b>Thermal</b>													
Heat Deflection Temperature Under Load (B)1.82MPa	D 648	C	100-110	90 - 110	80 - 110	112 - 120	130-138	80 - 110	80 - 100				
Vicat Softening Temperature (B)	D 1525	C	--	160 - 180	160 - 180	165 - 175	--	160 - 180	157 - 161				
<b>Others</b>													
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	1.32 - 1.40				
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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	<b>GUJARAT PETROSYNTHESE LIMITED</b>
<b>Polymer Alloys &amp; Blends Division</b> 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 : <a href="mailto:inf@gpl.in">inf@gpl.in</a>	<b>Agents:</b>