



ALLOYS & BLENDS
SYNOFIN(PP/EPDM)

Properties	STANDAR D ASTM	Unit	PA4601/4701 (PP/EPDM/Exact/Engage) (Low Hardness)	PB4601/4701 (PP/EPDM/Exact/Engage) (Medium Hardness)	PC4601/4701 (PP/EPDM/Exact/Engage) (High Hardness)	PE4601/4701 (PP/EPDM/Exact/Engage) (V.V High Hardness)	PF 4601/4701 (PP/EPDM/Exact/Engage) (V.High Hardness)	PG 4601/4701 (PP/EPDM/Exact/Engage) (V.Low Hardness)					
Flow													
Melt Flow Index @ 230C & 2.16 Kg	D1238	gms/10	2 - 5	2 - 5	2 - 5	1.5 - 3.0	6 - 8	1 - 5					
Mechanical													
Tensile Strength @ Yield 50 mm/min	D638	MPa	7 - 11	7 - 11	7 - 11	20 - 25	16-20	5 - 8					
Tensile Elongation @ Yield	D638	%	400 - 500	400 - 500	400 - 500	150 - 300	180 - 340	600 - 700					
Flexural Strength 5 mm/min	D790	MPa	10 - 20	10 - 20	10 - 20	20 - 25	15 - 25	5 - 10					
Flexural Modulus	D790	MPa	200 - 400	200 - 400	200 - 400	750 - 1000	700 - 1000	100 - 200					
Izod Notched Impact Strength	D256	J/m	350 - 450	350 - 450	350 - 450	90 - 150	150 - 220	No Break					
Thermal													
Heat Deflection Temperature Under Load (B)1.82MPa	D 648	C	35 - 40	35 - 40	35 - 40	47 - 53	45 - 53	30 - 33					
Vicat Softening Temperature (B)	D 1525	C	60 - 68	60 - 68	60 - 68	100 - 120	-	-					
Others													
Density	D 792	gms/cc	0.87 - 0.92	0.87 - 0.92	0.87 - 0.92	0.88 - 0.90	0.89 - 0.96	1.08 - 1.12					
Flammability Test @ 3mm thickness	UL 94		-----	-----	-----	-----	-----	-----					
Filler Content	D 5630	%	-	-	-	-	-	-					
Hardness	D 2240	Shore D	21- 23	34 - 36	31 - 33	49 - 51	42 - 48	14 - 17					

* 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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GUJARAT PETROSYNTHESE LIMITED

Polymer Alloys & Blends Division
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 : info@gpl.in

Agents: