

**ALLOYS & BLENDS****SYNOFIN(PP/EPDM)**

Properties	STANDARD 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 @ 300C & 1.2 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	24 - 26	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

All information, direction or advice given by Gujarat Petrosynthese Ltd (GPL) as to the performance, characteristic, application, design or use of these material is given in good faith and the best of its knowledge. However, as GPL has no control over the use to which others put these materials, it does not accept any responsibility or any liability therefrom in connection with any services rendered by it or for the design, characteristic, performance of the materials either towards any purchaser or user thereof or towards any third party. Each user of these materials should make his own tests to determine the material's suitability for his own particular use. GPL or any of their subsidiary companies or distributors can not be held responsible for any losses incurred by incorrect use of material. In accordance with the policy of these companies of continuous product development, users are advised to check the most up to date information.

**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 : inf@gpl.in

Agents: