



BLENDS & ALLOYS

SYNOFIN(Modified 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)			
Flow Melt Flow Index @ 260°C & 2.16 Kg load	D1238	gms/10 min	2 - 5 (300°C & 1.2 Kg)	2 - 5 (300°C & 1.2 Kg)	2 - 5 (300°C & 1.2 Kg)			
Mechanical Tensile Strength @ Yield 50 mm/min	D638	MPa	7-11	7-11	7-11			
Tensile Elongation @ Yield	D638	%	400 - 500	400 - 500	400 - 500			
Flexural Strength 5 mm/min	D790	MPa	10 - 20	10 - 20	10 - 20			
Flexural Modulus	D790	MPa	200 - 400	200 - 400	200 - 400			
Izod Notched Impact Strength	D256	J/m	350 - 450	350 - 450	350 - 450			
Thermal Heat Deflection Temperature Under Load (B)1.82MPa	D 648	°C	35 - 40	35 - 40	35 - 40			
Vicat Softening Temperature (B)	D 1525	°C	60 - 68	60 - 68	60 - 68			
Others Density	D 792	gms/cc	0.87 - 0.92	0.87 - 0.92	0.87 - 0.92			
Flammability Test @ 3mm thickness	UL 94		-----	-----	-----			
Filler Content	D 5630	%	-	-	-			
Hardness	D 2240	Shore D	21- 23	24 - 36	31 - 33			

* 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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