

Saint-Gobain Performance Plastics
Pro-Fax Polypropylene
Fractional Melt Flow PP Copolymer with High Extrude Strength

Tensile Stress vs Tensile Strain
ASTM D638 (2"/min test speed)

English Units				Metric Units			
22°F		73°F		30°C		23°C	
strain (%)	stress (psi)	strain (%)	stress (psi)	strain (%)	stress (MPa)	strain (%)	stress (MPa)
0.00	0	0.00	0	0.00	0.00	0.00	0.00
0.25	1853	1.00	1609	0.25	12.78	1.00	11.09
0.50	3249	3.00	2787	0.50	22.41	3.00	19.22
0.74	4465	5.00	3317	0.74	30.79	5.00	22.87
1.01	5445	7.00	3591	1.01	37.55	7.00	24.77
1.26	6068	9.00	3743	1.26	41.85	9.00	25.81
1.50	6434	11.00	3819	1.50	44.37	11.00	26.34
1.77	6664	13.00	3852	1.77	45.96	13.00	26.57
2.00	6781	14.00	3860	2.00	46.77	14.00	26.62
2.54	6920	15.00	3862	2.54	47.72	15.00	26.63
4.36	7030	15.75	3862	4.36	48.48	15.75	26.63
6.00	7017			6.00	48.39		
10.02	6954			10.02	47.96		
12.13	6915			12.13	47.69		
15.00	6837			15.00	47.15		

Sani-Tech does not recommend designing beyond yield. Endpoint does not indicate break due to environmental chamber limitations.

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