

# ***PSG WATER CLEAR HIPS***

PSG has recently developed a water clear HIPS. It has better impact than a standard GPPS, retains its clarity and it is offered in 6 grades. The difference in grades offer a variety of melt flow, and impact. The information below is for the first 3 grades that were developed:

Typical Property Comparison				
		PSG HIPS A	PSG HIPS B	PSG HIPS C
<b>Physical</b>				
Specific Gravity	g/cm <sup>3</sup>	1.04	1.04	1.04
Melt Flow (200°C/5 kg)	g/10min.	2.7	3	3.5
<b>Mechanical</b>				
Flex Modulus	psi (lb/in <sup>2</sup> )	523,043	505,217	487,391
Flex Strength	psi (lb/in <sup>2</sup> )	15,527	15,052	14,519
Tensile Strength @ break	psi (lb/in <sup>2</sup> )	7,876	7,845	7,705
Tensile Modulus	psi (lb/in <sup>2</sup> )	203,189	181,419	176,569
Elongation @ Break	%	6	8	9
Izod Impact @ 23°C	ft-lb/in	.5(CB)	.5(CB)	.5(CB)
<b>Thermal</b>				
HDT at 66 psi, .125"	Deg, F	185	185	185
<b>Visual</b>				
Haze	%	1.03	1.4	2.03
Light Transmission	%	89.0	88.0	87.0