



**TAIRIREX<sup>®</sup> PS Resin**

Property	Unit	Test Method	Test Condition	General Purpose PS
				<b>GP5000</b>
Tensile Strength	kg/cm <sup>2</sup> (Mpa)	ASTM D-638 ( ISO 527)	23 °C	400 (39)
Tensile Modulus	kg/cm <sup>2</sup> X10 <sup>4</sup> (MPa)	ASTM D-638 ( ISO527 )	23 °C	3.1 (3036)
Tensile Elongation	%	ASTM D-638 ( ISO527 )	23 °C	2.0
Flexural Strength	kg/cm <sup>2</sup> (Mpa)	ASTM D-790 ( ISO 178 )	23 °C	750 (73)
Flexural Modulus	kg/cm <sup>2</sup> X10 <sup>4</sup> (MPa)	ASTM D-790 ( ISO 178 )	23 °C	3.3 (3240)
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256 (ISO R180)	23 °C 1/4"bar	1.6 (16)
Vicat Softening Point	°C	ASTM D-1525 D-648 (ISO306B 75/A)	Annealed 80°C×2hr 1/8"bar	93
Heat Deflection Temperature	°C	ASTM D-1525 D-648 (ISO306B 75/A)	Annealed 80°C×2hr 1/8" bar	82
Melt Flow Index		ASTM D-1525 D-648 (ISO306B 75/A)	200°CX5Kg (49N)	10.0
Reidual Monomer	ppm max.			700
Flammability		UL-94	File No. E162823	1.5mm HB NC
<b>CHARACTERISTICS</b>	<b>High flow</b>			

All tests were run under laboratory conditions, ASTM, ISO testing procedures. The data are intended as a general guide only.

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