

TAIRIREX<sup>®</sup> PS Resin

Property	Unit	Test Method	Test Condition	High Impact grade PS
				HP825N
Tensile Strength	kg/cm <sup>2</sup> (Mpa)	ASTM D-638 ( ISO 527 )	23 °C	230 (25)
Tensile Modulus	kg/cm <sup>2</sup> X10 <sup>4</sup> (MPa)	ASTM D-638 ( ISO 527 )	23 °C	18000 (2150)
Tensile Elongation	%	ASTM D-638 ( ISO 527 )	23 °C	45 (55)
Flexural Strength	kg/cm <sup>2</sup> (Mpa)	ASTM D-790 ( ISO 178 )	23 °C	400 (37)
Flexural Modulus	kg/cm <sup>2</sup> X10 <sup>4</sup> (MPa)	ASTM D-790 ( ISO 178 )	23 °C	19000 (1600)
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256 (ISO 180)	23 °C 1/4" bar	17 (13.2)
Vicat Softening Point	°C	ASTM D-1525 (ISO 306B)	Annealed 80°C × 2hr 1/8" bar	98 (98)
Heat Deflection Temperature	°C	ASTM D-648 (ISO 75/A)	Annealed 80°C × 2hr 1/8" bar	89 (90)
Melt Flow Index		ASTM D-1238 (ISO 1113)	200°C X 5Kg (49N)	5.5
Specific Gravity		ASTM D-792 (ISO 1183)	23°C/23°C	1.04
Molding Shrinkage	%	ASTM D-955	3.2mm	0.4~0.7
Reidual Monomer	ppm max.			500
Flammability		UL-94	File No. E162823	1.5mm HB All Color
CHARACTERISTICS	Super-High impact, Normal flow			

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

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