



TAIRIREX® PS Resin

Property	Unit	Test Method	Test Condition	High Impact grade PS
				HP8250
Tensile Strength	kg/cm ² (Mpa)	ASTM D-638 (ISO 527)	23 °C	240 (25)
Tensile Modulus	kg/cm ² X10 ⁴ (MPa)	ASTM D-638 (ISO 527)	23 °C	18000 (2000)
Tensile Elongation	%	ASTM D-638 (ISO 527)	23 °C	45 (50)
Flexural Strength	kg/cm ² (Mpa)	ASTM D-790 (ISO 178)	23 °C	400 (40)
Flexural Modulus	kg/cm ² X10 ⁴ (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	13 (11.2)
Vicat Softening Point	°C	ASTM D-1525 (ISO 306B)	Annealed 80°C × 2hr 1/8" bar	99 (99)
Heat Deflection Temperature	°C	ASTM D-648 (ISO 75/A)	Annealed 80°C × 2hr 1/8" bar	90 (94)
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	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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