

TAIRIREX[®] PS Resin

Property	Unit	Test Method	Test Condition	High Impact PS
				HP9450
Tensile Strength	kg/cm ² (MPa)	ASTM D-638	23 °C	250 (25)
Tensile Modulus	kg/cm ² X10 ⁴ (MPa)	ASTM D-638	23 °C	2.2 (2160)
Tensile Elongation	%	ASTM D-638	23 °C	52
Flexural Strength	kg/cm ² (MPa)	ASTM D-790	23 °C	470 (46)
Flexural Modulus	kg/cm ² X10 ⁴ (MPa)	ASTM D-790	23 °C	2.2 (2160)
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256	23 °C 1/4" bar	15 (147)
Vicat Softening Point	°C	ASTM D-1525	Annealed 80°C X2hr 1/8" bar	100
Heat Deflection Temperature	°C	ASTM D-648	Annealed 80°C X2hr 1/8" bar	90
Melt Flow Index		ASTM D-1238	200°C X5Kg (49N)	3.0
Residual Monomer	ppm max.			700
Specific Gravity		ASTM D-792	23 °C	1.04
Flammability		UL-94	File No. E162823	1.5-1.7mm HB All Color
Characteristics	Super high impact			

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

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