



**TAIRIREX<sup>®</sup> PS Resin**

Property	Unit	Test Method	Test Condition	High Impact PS
				<b>HP9450</b>
Tensile Strength	kg/cm <sup>2</sup> (Mpa)	ASTM D-638 ( ISO 527)	23 °C	250 (25)
Tensile Modulus	kg/cm <sup>2</sup> X10 <sup>4</sup> (MPa)	ASTM D-638 ( ISO527 )	23 °C	2.2 (2160)
Tensile Elongation	%	ASTM D-638 ( ISO527 )	23 °C	43
Flexural Strength	kg/cm <sup>2</sup> (Mpa)	ASTM D-790 ( ISO 178 )	23 °C	440 (43)
Flexural Modulus	kg/cm <sup>2</sup> X10 <sup>4</sup> (MPa)	ASTM D-790 ( ISO 178 )	23 °C	2.2 (2160)
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256 (ISO R180)	23 °C 1/4"bar	14.0 (137)
Vicat Softening Point	°C	ASTM D-1525 D-648 (ISO306B 75/A)	Annealed 80°C×2hr 1/8"bar	97
Heat Deflection Temperature	°C	ASTM D-1525 D-648 (ISO306B 75/A)	Annealed 80°C×2hr 1/8" bar	91
Melt Flow Index		ASTM D-1525 D-648 (ISO306B 75/A)	200°CX5Kg (49N)	3.0
Reidual Monomer	ppm max.			700
Flammability		UL-94	File No. E162823	1.5mm HB NC
CHARACTERISTICS	Super high impact			

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

**Formosa Chemicals & Fibre Corp. Plastics Div.**

TEL: +886-2-27122211 / FAX: +886-2-27131649 /

Address: No.201, Dunhua N. Rd., Songshan Dist., Taipei City 105, Taiwan

Website: <https://en.fcfc-plastics.com/>

