


FORMOSA CHEMICALS & FIBRE CORPORATION
TAIRIREX[®] PS Resin

Property	Unit	Test Method	Test Condition	General Purpose PS
				GP535A
Tensile Strength	kg/cm ² (MPa)	ASTM D-638	23 °C	480 (47)
Tensile Modulus	kg/cm ² X10 ⁴ (MPa)	ASTM D-638	23 °C	3.5 (3430)
Tensile Elongation	%	ASTM D-638	23 °C	2
Flexural Strength	kg/cm ² (MPa)	ASTM D-790	23 °C	930 (92)
Flexural Modulus	kg/cm ² X10 ⁴ (MPa)	ASTM D-790	23 °C	3.2 (3136)
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256	23 °C 1/4" bar	1.8 (18)
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	89
Melt Flow Index		ASTM D-1238	200°C X5Kg (49N)	4.3
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	High heat resistance			

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/>

