


Formosa Chemicals Industries (Ningbo) Corporation
TAIRIREX® PS Resin

Property	Unit	Test Method	Test Condition	General Purpose Grade
				GP5250/N
Tensile Strength	kg/cm ² (Mpa)	ASTM D-638 (ISO 527)	23 °C	440 (-)
Tensile Modulus	kg/cm ² X10 ⁴ (MPa)	ASTM D-638 (ISO 527)	23 °C	27000 (-)
Tensile Elongation	%	ASTM D-638 (ISO 527)	23 °C	2 (-)
Flexural Strength	kg/cm ² (Mpa)	ASTM D-790 (ISO 178)	23 °C	800 (-)
Flexural Modulus	kg/cm ² X10 ⁴ (MPa)	ASTM D-790 (ISO 178)	23 °C	31000 (-)
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256 (ISO 180)	23 °C 1/4" bar	1.4 (-)
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	88 (-)
Melt Flow Index		ASTM D-1238 (ISO 1113)	200°C X 5Kg (49N)	9
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	Injection molding			

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

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