



TAIRIREX[®] PS Resin

Property	Unit	Test Method	Test Condition	General Purpose PS
				GP5250
Tensile Strength	kg/cm ² (Mpa)	ASTM D-638 (ISO 527)	23 °C	430 (40)
Tensile Modulus	kg/cm ² X10 ⁴ (MPa)	ASTM D-638 (ISO527)	23 °C	3.1 (3036)
Tensile Elongation	%	ASTM D-638 (ISO527)	23 °C	2.0
Flexural Strength	kg/cm ² (Mpa)	ASTM D-790 (ISO 178)	23 °C	800 (78)
Flexural Modulus	kg/cm ² X10 ⁴ (MPa)	ASTM D-790 (ISO 178)	23 °C	3.4 (3330)
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256 (ISO R180)	23 °C 1/4"bar	1.7 (17)
Vicat Softening Point	°C	ASTM D-1525 D-648 (ISO306B 75/A)	Annealed 80°C×2hr 1/8"bar	94
Heat Deflection Temperature	°C	ASTM D-1525 D-648 (ISO306B 75/A)	Annealed 80°C×2hr 1/8" bar	87
Melt Flow Index		ASTM D-1525 D-648 (ISO306B 75/A)	200°CX5Kg (49N)	7.0
Reidual Monomer	ppm max.			700
Flammability		UL-94	File No. E162823	1.5mm HB NC
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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