FORMOSA CHEMICALS & FIBRE CORPORATION

TAIRIREX® PS Resin

Property	Unit	Test Method	Test Condition	High Impact PS
				HP8250
Tensile Strength	kg/cm^2 (MPa)	ASTM D-638	23 ℃	230 (23)
Tensile Modulus	kg/cm^2 $X10^4$ (MPa)	ASTM D-638	23 ℃	2.2 (2160)
Tensile Elongation	%	ASTM D-638	23 ℃	53
Flexural Strength	kg/cm^2 (MPa)	ASTM D-790	23 ℃	470 (45)
Flexural Modulus	kg/cm^2 $X10^4$ (MPa)	ASTM D-790	23 ℃	2.3 (2260)
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256	23 ℃ 1/4″ bar	13 (124)
Vicat Softening Point	℃	ASTM D-1525	Annealed 80℃×2hr 1/8” bar	101
Heat Deflection Temperature	℃	ASTM D-648	Annealed 80℃×2hr 1/8” bar	89
Melt Flow Index		ASTM D-1238	200℃X5Kg (49N)	5.5
Reidual Monomer	ppm max.			700
Specific Gravity		ASTM D-792	23 ℃	1.04
Flammability		UL-94	File No. E162823	0.8mm HB 1.0mm HB 1.5mm HB 3.0mm HB All Color
Characteristics	High impact, Normal flow			

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

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