

Manufacturer: Formosa Chemicals & Fibre Corp.



GPPS 5250 FORMOSA

Property	Unit	Test Method	Test Condition	GPPS (General Purpose PS)
GP5250				
Melt Flow Index	g/10 min	ASTM D-1238	200°C × 5kg	6.7
IZOD Impact Strength	kg-cm/cm	ASTM D-256	23 °C, 1/4", Notched	1.7
Tensile Strength	kg/cm ²	ASTM D-638	23 °C, 5mm/min	430
Tensile Modulus	kg/cm ²	ASTM D-638	23 °C, 1mm/min	31000
Tensile Elongation	%	ASTM D-638	23 °C, 5mm/min	2
Flexural Strength	kg/cm ²	ASTM D-790	23 °C, 1.2mm/min	850
Flexural Modulus	kg/cm ²	ASTM D-790	23 °C, 1.2mm/min	32000
Vicat Softening Point	°C	ASTM D-1525	Annealed 80°C*2hr 1/8" , 10N 50°C/h	95
Reidual Monomer	ppm max		-	700
Heat Deflection Temperature	°C	ASTM D-648	Annealed 80°C*2hr, 120°C/h 1.8Mpa 1/8"	86
Flammability	-	UL-94	FILE NO. E162823	1.5-1.7mm HB All Color
Combustibility		UL-94	File No. E162823	HB 1.5 ~ 1.7 mm
Features			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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