ESCO GROUP

EGYPTIAN SAUDI COMPANY FOR PLASTIC

ESCO

Manufacturer: Formosa Chemicals & Fibre Corp.

GPPS 5000 FORMOSA

Property	Unit	Test Method	Test Condition	GPPS (General Purpose PS)
				GP5000
Melt Flow Index	g/10 min	ASTM D-1238	200℃ × 5kg	10
IZOD Impact Strength	kg-cm/cm	ASTM D-256	23 ℃, 1/4", Notched	1.6
Tensile Strength	kg/cm²	ASTM D-638	23 ℃, 5mm/min	440
Tensile Modulus	kg/cm²	ASTM D-638	23 ℃, 1mm/min	33000
Tensile Elongation	%	ASTM D-638	23 ℃, 5mm/min	2
Flexural Strength	kg/cm²	ASTM D-790	23 ℃, 1.2mm/min	820
Flexural Modulus	kg/cm²	ASTM D-790	23 ℃, 1.2mm/min	31000
Vicat Softening Point	℃	ASTM D-1525	Annealed 80℃*2hr 1/8" , 10N 50℃/h	94
Reidual Monomer	ppm max		-	700
Heat Deflection Temperature	℃	ASTM D-648	Annealed 80℃*2hr, 120℃/h 1.8Mpa 1/8"	83
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			High flow 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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