GPPS

ASTM	TEST METHOD	TEST CONDITION	UNIT	GPPS SERIES		
				MF-21-301	MW-1-301	MW-1H-321
				HIGH FLOW HIGH HEAT	HIGH STRENGTH	HIGH HEAT HIGH RIGIDITY
Melt Flow Rate	ASTM D-1238	200˚C, 49N	g/10min	4.8	1.9	1.5
Tensile Strength	ASTM D-638	5min/min	MPa	47	47	50
Elongation at Break			%	<3	<3	<3
Flexural Modulus	ASTM D-790	2min/min	MPa	3400	3350	3400
Flexural Strength			MPa	88	85	89
Izod Impact Strength	ASTM D-256	23ºC.Noteched	J/m	16	18	18
Heat Deflection Temperature	ASTM D-648	1.8Mpa Edgewise method	ºC	87	81	91
Vicat Softting Temperature	ASTM D-1525	50N	ºC	99	93	100
Rockwell Hardness	ASTM D-785	23ºC	M	75	75	75
Density	ASTM D-792	23ºC	-	1.05	1.05	1.05

HIPS			ENGLISH	
PATTERNS	GENERAL	ASTM TEXT	VALUES	UNITS
	Specific Gravity/Density	D-792	1.04	lb/ft³
	Hardness, Rockwell	D-785	R95	-
MECHANICAL	Tensile Strength	D-638	2,750	psi
	Elorgation @ Break	D-638	52	%
	Flexural Modulus	D-730	275,000	psi x 10^5
	Flexural Strength	D-730	6,000	psi
	Izod Impact	D-256	2	ft lb/in
THERMAL	Hea: Deflection Temp	D-648	189	F @66psi
	Hea: Deflection Temp	D-648	165	F @264psi
	Melt Flow Rate MFR 230 C/3.8kg	D-1238	2	g/10min

GB PLAS SDN BHD