

Typical properties of GPPS and Application

Properties	Unit	Test Method	High Performance Grades			Conventional Grades		
			High Strength & High Cycle	High Heat (for PS Foam)	High Strength & Good Moldability	High Flow	Normal Flow	High Heat
Melt Index (200°C, 5,000 g)	(g/10 min.)	ISO-1133	10	2.1	2.1	30	10	4.2
Tensile Strength (Break)	(MPa)	ISO-527	41	54	48	39	46	53
Charpy (notched, t = 4.0 mm, +23deg.C)	(kJ/m2)	ISO-179	1.5	3	3	1.5	1.5	2.5
Vicat Softening Point (49N)	(°C)	ISO-306	88	101	95	87	96	101
Main Application			Thin walled food containers, Medical equipment (Petri dishes etc.) Office stationary, housewares, etc.	Thin walled food containers, OPS, Foamed PS, etc.	Parts for large home electrical appliances (dust cover, illuminating equipment cover, crispers for refrigerator, etc.)	Hosewares, Food containers, toys, etc.	Housewares, Containers, toys, Stationary, Office stationary, etc.	Parts for home electrical appliances (nameplates, transparent display covers for VTR, etc.), Office stationary,