PSJ-POLYSTYRENE G9001

Heat Resistant Grade

	Test method ISO/JIS	Test piece size mm	Test condition	Unit S.I.	Heat resistant G9001
1.Rheorogy Properties					
Melt mass-flow rate	1133/K7210	pellets	200℃ 5kg f	g/10min	1.6
2.Physical Properties					
Tensile stress at break	527-1/K7161	type A	5mm/min	MPa	55
Tensile strain at break	527-1/K7161	type A	5mm/min	%	3
Flexual modulus	178/K7171	80×10×4	2mm/min	MPa	3400
Flexual strength	178/K7171	80×10×4	2mm/min	MPa	100
Charpy impact strength (Notched)	179/K7111	80×10×4	1eA	kJ/m^2	1.3
3.Thermal Properties					
Deflection temperature under load	75-2/K7191	80×10×4	flatwise 1.8MPa	℃	95
Vicat softening temperatur	306/K7206	10×10×4	50℃/h, 50N	℃	118
4.Another Properties					
Density	1183/K7112	80×10×4	A method	$\times 10^3$ kg/m^3	1.08
5.Processing conditions					
Molding temperature	–	–	–	℃	240~260
Drying temperature	–	–	–	℃	90
Drying time	–	–	–	hour	2~4

- 80×10×4(mm) and 10×10×4(mm)test pieces were cut from ISO type A test pieces.
- These values are representative values obtained based on established test methods, and are not standard values or guaranteed values.