PSJ-POLYSTYRENE
SX100/300

Transparent HIPS

					Transrarent HIPS	
	Test methog	Test piece size	Test condition	Unit	General	High-impact
	ISO/JIS	mm		S.I.	SX100	SX300
1.Rheorogy Properties						
Melt mass-flow rate	1133/K7210	pellets	200℃ 5kg f	g/10min	2.8	2.8
2.Physical Properties						
Tensile stress at yield	527-1/K7161	type A	50mm/min	MPa	47	45
Nominal tensile strain at break	527-1/K7161	type A	50mm/min	%	15	15
Flexual modulus	178/K7171	80×10×4	2mm/min	MPa	2300	2200
Flexual strength	178/K7171	80×10×4	2mm/min	MPa	70	67
Charpy impact strength (Notched)	179/K7111	80×10×4	1eA	kJ/m^2	11	13
3.Thermal Properties						
Deflection temperature under load	75-2/K7191	80×10×4	flatwise 1.8MPa	℃	66	66
Vicat softening temperatur	306/K7206	10×10×4	50℃/h, 50N	℃	85	85
4.Another Properties						
Density	1183/K7112	80×10×4	A Method	$\times 10^3$ kg/m^3	1.08	1.08
Rockwell hardness	2039-2/7202-2	typeA	M scale	–	60	60
5.Processing conditions						
Molding temperature	–	–	–	℃	220~250	
Drying temperature	–	–	–	℃	75~80	
Drying time	–	–	–	hour	3~5	

- 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.