

**Prime Polypro (Injection : Homopolymer, Random Copolymer) Product Data Sheet**

Properties	Unit	Test Method		Test Conditions	Homo				Random		
		JIS	ISO		J105G	J106G	J106MG	J108M	J226E	J229E	
General Properties	Melt Flow Rate	g/10min	K 7210	1133	230°C	9	15	15	45	20	50
	Density	kg/m <sup>3</sup>	K 7112	1183		910	910	910	910	910	910
Mechanical Properties	Tensile Strength at Yield	MPa	K 7161	527		35.0	35.0	41.0	40.0	29.0	30.0
	Tensile Elongation at Break	%	K 7161	527		200<	100	30	20	200<	200<
	Tensile Modulus	MPa	K 7161	527		1,600	1,600	2,050	2,000	1,100	1,050
	Charpy Impact Strength	kJ/m <sup>2</sup>	K 7111	179	23°C	4.0	3.3	2.5	2.0	6.0	5.0
			K 7111	179	-20°C	-	-	-	-	1.5	-
	Heat Deflection Temperature	°C	K 7191	75	0.45MPa	100	100	120	120	80	80
Rockwell Hardness	-	K 7202	2039-2	R scale	100	100	110	110	85	80	
Characteristics					Rigidity	Rigidity	High Rigidity	High Rigidity	High Transparency	High Transparency	
							Transparent		Anti static	High Flow	
Main Applications					House ware	House ware	Small food package	Thin wall package	Transparent house ware	Transparent house ware	
					Industrial application	Industrial application					

- ◇ Data described in this catalog are representative figures obtained by measurement under specific conditions.
- ◇ It is the customers responsibility to inspect and test our products in order to satisfy himself as to the suitability of the products for the customer's particular purpose.
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