

**Prime Polypro (Injection : Block Copolymer) Product Data Sheet**

Properties	Unit	Test Method		Test Conditions	Block									
		JIS	ISO		J704UG	J715M	J-750HP	J717ZG	J707G	J707EG	JR-3070HP	J708UG	J709QG	
General Properties	Melt Flow Rate	g/10min	K 7210	1133	230°C	5.0	9.0	14.0	28	30	30	33	45	55
	Density	kg/m <sup>3</sup>	K 7112	1183		910	910	910	910	910	910	910	910	910
Mechanical Properties	Tensile Strength at Yield	MPa	K 7161	527		29.0	27.0	27.0	25.0	25.0	28.0	20.0	28.0	25.0
	Tensile Elongation at Break	%	K 7161	527		50	100	100	30	50	30	400	30	30
	Tensile Modulus	MPa	K 7161	527		1,450	1,300	1,300	1,100	1,200	1,450	700	1,500	1,200
	Charpy Impact Strength	kJ/m <sup>2</sup>	K 7111	179	23°C	12	9	11.0	8.0	7.0	7.5	7.5	5.5	5.5
			K 7111	179	-20°C	4.5	4.0	4.0	4.0	3.5	4.0	2.5	2.5	2.5
	Heat Deflection Temperature	°C	K 7191	75	0.45MPa	105	90	98	85	85	105	65	110	90
Rockwell Hardness	—	K 7202	2039-2	R scale	90	90	86	80	90	95	49	95	90	
Characteristics					High impact	High impact	High impact	High impact	High impact	High impact	High impact	High impact	High impact	High impact
					High Rigidity			Anti static		High Rigidity	Flexibility	High Rigidity	Anti static	
					Anti static					Anti static		Anti static/ Weather resistant	Weather resistant	
Main Applications					Container	Apparatus	Apparatus	Large size house ware	House ware	House ware	House ware	House ware	Large thin wall product	large thin wall product
					Apparatus	Industrial parts	Industrial parts		Apparatus	light weight container	Food container	Apparatus	Apparatus	
					Industrial parts	Food container			Industrial parts	Apparatus		Industrial parts	Industrial parts	
									Food container	Industrial parts				

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