

Typical Property	Test Method	Unit	Injection										Extrusion					Homo-polymer	Impact Copolymer			
			J340	J440	J640	J640	J642	J640A	J740	J742	J742S	J842	J945	B240	B240T	B240LP	B240P		HJ700	HJ541CP	HJ640	HJ740
Melt Index	ASTM D1238	g/10min.	1.7	4	10	10	10	18	25	25	28	45	55	0.4	0.5	0.4	0.3	11	6	10	30	100
Tensile Strength(at yiel)	ASTM D638	Kg/cm <sup>2</sup>	270	280	280	280	290	280	280	300	290	290	290	290	300	280	290	430	330	340	310	290
Elongation(at break)	ASTM D638	%	400	400	400	400	250	400	400	200	200	50	50	500	500	500	500	100	200	200	200	100
Flexural Modulus	ASTM D790	Kg/cm <sup>2</sup>	11,500	12,000	12,000	12,000	14,500	12,500	13,000	15,000	15,000	15,000	15,000	12,000	13,500	11,000	12,000	22,500	16,500	17,000	17,500	15,500
Izod Impact 23 <sup>o</sup>	ASTM D256	Kg · cm/cm	15	12	10	10	10	9.5	8	7.5	8	6.5	6	NB	NB	NB	NB	3	10	8	6.5	5.5
Strength -10 <sup>o</sup> C			6.5	5.5	5	5	5	4.5	4	4.5	4.5	4	3.5	6	6.5	6	6.5		5.5	4	3.5	3
Rockwell Hardness	ASTM D785	R-scale	70	75	80	80	85	80	80	87	85	85	85	65	70	62	65	105	88	90	90	88
Vicat Softening Point	ASTM D1525	<sup>o</sup> C	150	150	150	150	150	150	150	150	150	150	150	145	150	145	145	155	155	155	155	150
Heat Deflection Temperature	ASTM D648	<sup>o</sup> C	105	105	105	105	120	105	110	120	120	120	120	100	110	100	100	135	125	130	130	125
Melting Temperature	HS Method	<sup>o</sup> C																				
Heat Sealing Temperature	HS Method	<sup>o</sup> C																				
Applications			Crate, Container Batter case	General purpose Battery case Electric appliance	Washing M/C parts Electric appliance	Large article -Washing M/C parts -Electric appliance -Industrial appliance	Very large article - Washing M/C parts - Industrial appliance	Corrugated Sheet  Thick sheet	Thermoforming Sheet  Stationery sheet	Extrusion blow molding	Pipe (Drain, etc.)	Compounding Electric appliance  Automobile parts	Cap of pressure bottle	Compounding Electric appliance  Automobile parts	Low pressure Injection Molding  Automobile parts							
Characteristics			High impact  UL 94HB	Medium impact  Flow ability  UL 94HB	Medium impact  Flow ability  Weather ability	Medium impact  High stiffness  UL 94HB	Medium impact  Flow ability  UL 94HB	Medium impact  High stiffness  UL 94HB	High flow ability  High stiffness  UL 94HB	High impact  High stiffness  Formability	High impact  High stiffness  High stability	Pressure Resistance  High impact  Long term heat stability	High stiffness  Heat resistance  Medium impact	High flow ability  High stiffness  Medium impact								