

The following grades may have different physical properties in actual production.
Depending on our internal circumstances, some grades may not be produced.

Grade	PP type	Melt Index		Tensile strength @Yield		Flexural Modulus		Notched Izod/Charpy Impact				Application
								@23°C(73°F)		@-10°C(14°F)		
		ASTM D1238	ISO 1133-1	ASTM D638	ISO 527-1,-2	ASTM D790	ISO 178	ASTM D256	ISO 179	ASTM D256	ISO 179	
g/10min	g/10min	kg/cm2	Mpa	kg/cm2	Mpa	kg-cm/cm	KJ/m	kg-cm/cm	KJ/m			
Homo Polymer												
F501N	Homo	3.7	3.7	370	35	17,000	1,250	4	5	-	-	Yarn, Raffia, Rope
J700N	Homo	12	12	360	35	16,000	1,400	3.5	4	-	-	Homo appliance, Housewares
J800N	Homo	25	25	370	35	17,000	1,550	3	3	-	-	Homo appliance, Housewares
J900N	Homo	40	40	380	38	17,000	1,550	2.5	3	-	-	Homo appliance, Housewares
J801N	Homo	26	26	370	35	16,000	1,400	3.5	5	-	-	Syringe
Impact Copolymer												
HJ340N	BCP	1	1	320	28	15,000	1,150	20	15	5	-	Sheet, Danpla
J340N	BCP	2	2	280	25	13,000	1,000	20	15	5	4	Battery case, Industrial appliance,
J440N	BCP	4	4	280	24	12,000	1,000	12	10	5	4	Battery case, Industrial appliance,
J640N	BCP	10	10	250	21	12,000	1,000	11	9	5	4	Battery case, Industrial appliance,
J642N	BCP	10	10	280	30	15,000	1,300	10	8.5	4	3	Industral Electric, Home appliances
J642AN	BCP	20	20	250	21	12,500	1,100	11	9	5	4	Industral Electric, Home appliances
J740N	BCP	30	30	260	25	12,000	1,000	10	7	4	3	Industral Electric, Home appliances
J740GN	BCP	30	30	260	25	12,000	1,000	10	7	4	3	Industral Electric, Home appliances
J742N	BCP	30	30	290	24	12,000	1,000	10	7	4	3	Industral Electric, Home appliances
J842N	BCP	45	45	280	27	14,500	1,350	7	4.5	4	3	Industral Electric, Home appliances
J945N	BCP	55	55	280	28	14,500	1,350	6	5	4	3	Industral Electric, Home appliances
High Impact copolymer												
J446H	BCP	4	4	260	22	12,500	900	NB	NB	7	6	Industral Electric, Automotive parts
J446HK	BCP	4.5	4.5	270	26	13,000	1,200	20	20	6	5	Industrial Electric, Automotive parts
J646H	BCP	8	8	270	20	11,500	1,000	NB	NB	7	6	Industrial Electric, Automotive parts
Transparent Random												
R601N	Random	12	12	300	30	11,000	900	7	7	-	-	Food container, Housewares
R701N	Random	20	20	300	30	11,000	950	6	6	-	-	Food container, Housewares
R801N	Random	30	30	300	30	11,000	1,050	5	5	-	-	Food container, Housewares
R801LN	Random	30	30	320	33	13,000	1,150	4.5	4.5	-	-	Food container, Housewares
R801JN	Random	30	30	300	30	11,000	950	5	5	-	-	Food container, Housewares
R901N	Random	45	45	300	30	11,000	1,050	5	5	-	-	Food container, Housewares
R1001N	Random	65	65	300	31	11,000	1,050	5	4	-	-	Food container, Housewares
R1101N	Random	85	85	300	31	11,000	1,050	4	4	-	-	Food container, Housewares
R1201N	Random	100	100	300	31	11,000	1,050	3	3	-	-	Food container, Housewares
Thermoforming												
B200N	Homo	0.7	0.7	380	36	17,500	1,350	6.5	5	-	-	Vacuum forming sheet
B300N	Homo	2.3	2.3	370	36	18,000	1,350	4	4	-	-	Pressure forming sheet
B302N	Homo	3	3	370	36	17,500	1,350	4	4	-	-	Pressure forming sheet
Thin Wall Injection Molding												
J1105T	Homo	60	60	380	39	17,000	1,750	3	3	-	-	Food Container, Housewares
J1102T	Homo	60	60	380	39	17,000	1,800	3	3	-	-	Food Container, Housewares
J945T	BCP	60	60	270	25	13,000	1,300	8	5.5	4	4	Food Container, Housewares
J1145T	BCP	70	70	270	25	13,000	1,350	8	5.5	4	4	Food Container, Housewares
Spunbond												
S805S	Homo	36	36	360	35	16,000	1,350	2.5	2.5	-	-	Spunbond Novoven
Pipe												
R200PN	Random	0.25	0.25	290	25	9,100	700	NB	NB	4	3.5	Hot and cold water supply pipe
B240PN	BCP	0.33	0.33	300	26	13,000	1,000	NB	NB	7	-	Sewage pipe, Drainage pipe
Film												
F300F	Homo	3	3	370	34	14,000	1,300	4	4	-	-	BOPP
F300FN	Homo	3	3	380	38	16,000	1,450	4	4	-	-	BOPP
F600F	Homo	7.5	7.5	370	36	14,000	1,300	3.5	3	-	-	Packagin CPP Film
F600FN	Homo	7.5	7.5	380	38	16,000	1,450	3	3	-	-	Packagin CPP Film
R500F	Random	7.5	7.5	280	26	9,500	800	5	4.0	-	-	Packagin CPP Film

The following grades may have different physical properties in actual production.

Depending on our internal circumstances, some grades may not be produced.

Grade	PP type	Melt Index		Tensile strength @Yield		Flexural Modulus		Notched Izod/Charpy impact				Application
		ASTM D1238	ISO 1133-1	ASTM D638	ISO 527-1,-2	ASTM D790	ISO 178	@23°C(73°F)		@-10°C(14°F)		
		g/10min	g/10min	kgf/cm2	Mpa	kgf/cm2	Mpa	kgf-cm/cm	KJ/m	kgf-cm/cm	KJ/m	
TER												
R430CN	TER	5	5	230	22	7,000	550	7.5	7.0	-	-	Medical Port
R530CN	TER	7	7	240	23	7,500	650	8	7.0	-	-	Medical IV bag
L6000N	TER	7	7	250	22	7,500	550	7	6.0	-	-	Low Heat seal Film
M6000N	TER	7	7	250	22	8,000	600	7	6.0	-	-	Heat Seal metallizing Film
M6000NR	TER	7	7	250	22	8,000	600	7	6.0	-	-	Heat Seal metallizing Film
Coating/Lamination												
F801C	Homo	25	25	340	30	14,000	1,150	3.5	3	-	-	Extrusion Coating, Lamination
R701C	Random	20	20	240	23	8,500	650	5	5	-	-	Film Coating
R701AC	Random	25	25	240	23	8,500	650	5	5	-	-	Extrusion Coating, Lamination
R801C	Random	30	30	220	20	7,000	600	6	6	-	-	Extrusion Coating, Lamination
Compounding												
TP8600N	BCP	30	30	190	18	9,000	850	NB	NB	9	8	Automotive part, Compounding
HJ8280N	BCP	60	60	290	30	16,500	1,600	6.5	4.5	3	2.5	Automotive part, Compounding
HJ9280N	BCP	105	105	320	30	18,000	1,750	4	3	2	1.5	Automotive part, Compounding