HYOSUNG Vina Chemicals Polypropylene (Vietnam Plant)

Properties		Melt Index	Flexural Modulus		Notched Izod/Charpy Impact @23℃(73°F)		@-10℃(14°F)		Tensile strength @Yield		Application	Characteristic
Test Method	ASTM	D1238	D790	-	D256	-	D256	-	D638	-		
	ISO	1133	-	178	-	179	-	179	-	527		
Unit		g/10min	kg/cm²	MPa	kg-cm/cm	KJ/m²	kg-cm/cm	KJ/m²	kg/cm²	MPa		
Grade	**Type**	**Homo Polymer**										
F501N	Homo	3.7	17,000	1,450	4.0	3.0	-	-	370	35	Yarn, Raffia, Rope	General Purpose
J700N	Homo	12	16,000	1,400	3.5	3.0	-	-	360	35	Home appliances, Housewares	General Purpose
J700AN	Homo	17	16,000	1,400	3.5	3.0	-	-	360	35	Home appliances, Housewares	General Purpose
J800N	Homo	25	17,000	1,450	3.0	2.0	-	-	370	35	Home appliances, Housewares	General Purpose
J900N	Homo	40	17,000	1,450	2.5	2.0	-	-	380	38	Home appliances, Housewares, High MI for large application	General Purpose
J801N	Homo	25	16,000	1,400	3.5	3.0	-	-	370	35	Syringe	Good Transparency, USP Class VI
Grade	**Type**	**Impact Copolymer**										
HJ340N	BCP	1	15,000	1,300	15	12.0	5.0	4.0	320	28	Corrugated Sheet	Good Stiffness
J340N	BCP	2	13,000	1,100	15	12.0	5.0	4.0	280	25	Corrugated Sheet, Industrial appliance	General Purpose
J440N	BCP	4	12,000	1,050	12	10.0	5.0	4.0	280	24	Battery case, Industrial appliance	General Purpose
J640N	BCP	10	12,000	1,050	11	9.0	5.0	4.0	250	21	Battery case, Industrial appliance	General Purpose
J642N	BCP	10	15,000	1,300	10	8.5	4.0	3.0	280	30	Industrial, Electric, Home appliances	Good Stiffness
J740N	BCP	30	12,000	1,050	10	7.0	4.0	3.0	260	25	Industrial, Electric, Home appliances	General Purpose
J740GN	BCP	30	12,000	1,050	10	7.0	5.0	3.5	260	25	Industrial, Electric, Home appliances	Antistatic
J740NU	BCP	30	12,000	1,050	10	7.0	4.0	3.0	260	25	Industrial, Electric, Home appliances	UV Stabilizer
J742N	BCP	30	12,000	1,050	10	7.0	4.0	3.0	260	24	Industrial, Electric, Home appliances	Antistatic
J842N	BCP	45	14,500	1,250	7	5.0	4.0	3.0	280	27	Industrial, Electric, Home appliances	Good Stiffness
J842GN	BCP	45	14,500	1,250	7	5.0	4.0	3.0	280	27	Industrial, Electric, Home appliances	Good stiffness, antistatic
J945N	BCP	55	14,500	1,250	6	5.0	4.0	3.0	280	28	Industrial, Electric, Home appliances	Good Stiffness
Grade	**Type**	**Transparent Random**										
R601N	Random	12	11,000	1,000	7.0	6.0	-	-	300	30	Food containers, Housewares	Excellent Transparency
R701N	Random	20	11,000	1,000	6.0	5.0	-	-	300	30	Food containers, Housewares	Excellent Transparency
R801N	Random	30	11,000	1,000	5.0	4.0	-	-	300	29	Food containers, Housewares	Excellent Transparency
R901N	Random	45	11,000	1,000	5.0	4.0	-	-	300	30	Food containers, Housewares	Excellent Transparency
R1001N	Random	65	11,000	1,000	5.0	4.0	-	-	300	31	Food containers, Housewares, High MI for large application	Excellent Transparency, Faster Cycle Time
R1101N	Random	85	11,000	1,000	4.0	3.0	-	-	300	31	Food containers, Housewares, High MI for large application	Excellent Transparency, Faster Cycle Time
R1201N	Random	100	11,000	1,000	3.0	2.5	-	-	300	31	Food containers, Housewares, High MI for large application	Excellent Transparency, Faster Cycle Time
Grade	**Type**	**High Impact copolymer**										
J446H	BCP	4	11,000	1,000	NB	NB	8	7	250	22	Industrial Appliance, Automotive parts	High Impact Strength, Antistatic
J446HK	BCP	4.5	13,000	1,200	NB	NB	7	7	270	26	Industrial Appliance, Automotive parts	High Impact Strength, Good stiffness, UV Stabilizer
J446MH	BCP	4	12,500	1,000	NB	NB	7	5	260	26	Industrial Appliance, Automotive parts	High Impact Strength, Good Stiffness, Antistatic
J646H	BCP	8	11,500	1,050	NB	NB	9	9	230	20	Industrial Appliance, Automotive parts	High Impact Strength, Antistatic
J646AN	BCP	17	12,000	1,100	13	12.0	6	5	250	22	Industrial Appliance, Automotive parts	Antistatic
J746H	BCP	28	8,000	750	NB	NB	11	11	180	17	Industrial Appliance, Automotive parts	High Impact Strength
J746MH	BCP	28	9,000	950	NB	NB	9	10	190	19	Industrial Appliance, Automotive parts	High Impact Strength
J746N	BCP	30	12,000	1,150	12	8.0	6.0	5.0	260	24	Industrial, Electric, Home appliances	Good stiffnes, Antistatic
J846N	BCP	40	11,000	1,000	12	7.0	5.0	4.0	260	24	Industrial, Electric, Home appliances	General Purpose
J946N	BCP	50	12,000	1,150	12	6.0	5.0	4.0	260	23	Industrial, Electric, Home appliances	Anti-static, Short cycle time
Grade	**Type**	**Thin Wall Injection Molding**										
J1105T	Homo	60	17,000	1,500	3.0	3.0	-	-	380	39	Food containers, Housewares	TWIM
J1102T	Homo	60	17,000	1,500	3.0	3.0	-	-	380	39	Food containers, Housewares	TWIM, Transparency
J945T	BCP	60	13,000	1,150	8.0	5.5	4.0	3.5	270	25	Food containers, Housewares	High Impact at Low Temperature
J1145T	BCP	70	13,000	1,150	8.0	5.5	4.0	3.5	270	25	Food containers, Housewares	High Impact at Low Temperature
Grade	**Type**	**Thermoforming**										
B240PN	BCP	0.33	13,000	1,000	NB	NB	-	-	300	26	Sewage pipe, Drainage pipe	High Stiffness, High Impact Strength
B200N	Homo	0.5	18,000	1,600	6.5	5.0	-	-	380	36	Vacuum forming sheet	High Stiffness & Heat Resistance
B300N	Homo	2.3	18,000	1,600	4.0	4.0	-	-	370	36	Pressure forming sheet	High Stiffness & Heat Resistance
B302N	Homo	3	17,500	1,400	4.0	4.0	-	-	370	36	Pressure forming sheet	Good Transparency
Grade	**Type**	**Spunbond**										
S805S	Homo	36	16,000	1,350	2.5	2.5	-	-	360	35	Spunbond Non-wovens	Low Odor (TVOC), Phthalate and Bisphenol Free

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Test Method	ASTM	D1238	D790	-	D256	-	D256	-	D638	-		
	ISO	1133	-	178	-	179	-	179	-	527		
Unit		g/10min	kg/cm²	MPa	kg-cm/cm	KJ/m²	kg-cm/cm	KJ/m²	kg/cm²	MPa		
Grade	**Type**	**Film**										
F300F	Homo	3	14,000	1,300	4.0	4.0	-	-	370	34	BOPP	Low Fisheye, Good Optical
F300FN	Homo	3	16,000	1,450	4.0	4.0	-	-	380	38	BOPP	Low Fisheye, Good Optical, High Stiffness
F600F	Homo	7.5	14,000	1,300	3.5	3.0	-	-	370	36	Packaging CPP Film	Low Fisheye, Good Optical
F600FN	Homo	7.5	16,000	1,450	3.0	3.0	-	-	380	38	Packaging CPP Film	Low Fisheye, Good Optical, High Stiffness
F600FS	Homo	7.5	16,000	1,450	3.0	3.0	-	-	380	38	Packaging CPP Film	Low Fisheye, Slip and Anti-Blocking
R500F	Random	7.5	9,500	800	5.0	4.0	-	-	280	26	Packaging CPP Film	Low Fisheye, Good Optical
R500FS	Random	8	10,000	850	6.0	5.0	-	-	290	27	Packaging CPP Film	Low Fisheye, Slip and Anti-Blocking
Grade	**Type**	**TER**										
R430CN	TER	5	7,000	550	7.5	7.0	-	-	230	22	Heat Seal for BOPP & M-BOPP Film, Medical Port	Low Heat Seal Temperature, Bare-foot Steam Sterilization
R530CN	TER	7	7,500	650	8.0	7.0	-	-	240	23	Heat Seal for BOPP & M-BOPP Film, Medical IV bag	Low Heat Seal Temperature, Bare-foot Steam Sterilization
L6000N	TER	7	7,500	550	7.0	6.0	-	-	250	22	Low Heat Seal for CPP Film	Low Heat Seal Temperature, Slip and Anti-Blocking
M6000N	TER	7	8,000	600	7.0	6.0	-	-	250	22	Low Heat Seal for Metallizing CPP Film	Low Heat Seal Temperature, Anti-blocking
M6000NR	TER	7	8,000	600	7.0	6.0	-	-	250	22	Low Heat Seal for Metallizing CPP Film	Low Heat Seal Temperature, Bare-foot
Grade	**Type**	**Coating/Lamination**										
F801C	Homo	25	14,000	1,150	3.5	3.0	-	-	340	30	Woven Extrusion Coating	High-Speed, Low Neck-in
R701C	Random	20	8,500	650	5.0	4.0	-	-	240	23	Film Extrusion Coating	High-Speed, Low Neck-in
R801C	Random	30	7,000	600	6.0	5.0	-	-	220	20	Extrusion Coating, Lamination	High-Speed, Low Neck-in
R805C	Random	28	10,000	700	8.0	5.5	-	-	250	25	Extrusion Coating, Lamination	High-Speed, Low Neck-in
Grade	**Type**	**Compounding**										
TP7600N	BCP	20	7,000	660	NB	NB	15 (-20℃)	10 (-20℃)	160	15	Automotive part, Compounding	Excellent Impact Resistance
TP8600N	BCP	30	7,000	660	NB	NB	14 (-20℃)	10 (-20℃)	160	15	Automotive part, Compounding	Excellent Impact Resistance
TP9600N	BCP	37	6,500	640	NB	NB	14 (-20℃)	10 (-20℃)	160	15	Automotive part, Compounding	Excellent Impact Resistance
HJ8280N	BCP	60	17,500	1,700	6.5	5.5	3.5 (-20℃)	3 (-20℃)	290	30	Automotive part, Compounding	Excellent Stiffness
HJ9280N	BCP	110	19,000	1,800	5.5	5.0	2.5 (-20℃)	2 (-20℃)	320	30	Automotive part, Compounding	Excellent Stiffness

* The data listed here is typical value not for specification warranty.

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The Next Circular Economy

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